

Documentation for Crucible 2.9

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# **Getting Started Supported Platforms**

This page shows the supported platforms for Crucible 2.9.x and its minor releases.

**Key**: **☑** = Supported; **☑** = Not Supported

Java Version	
JRE/JDK <sup>(1)</sup>	<ul><li>✓ 1.6</li><li>✓ 1.7</li></ul>
Operating Systems	
Microsoft Windows (2)	
Linux (2)	
Apple Mac OS X (2)	
Databases	
MySQL	<ul><li>✓ MySQL Enterprise Server 5.x</li><li>✓ MySQL Community Server 5.x</li></ul>
	For 5.0, version must be 5.0.21 or later
	For 5.1, version must be 5.1.10 or later
PostgreSQL	<b>2</b> 8.2, 8.3, 8.4
Oracle	<b>☑</b> 11g
SQL Server	☑ 2005, 2008, 2008 R2
HSQLDB (3)	(bundled; for evaluation use only)
Web Browsers	
Microsoft Internet Explorer	<ul><li>✓ 8.0, 9.0</li><li>✓ 6.0 and 7.0 are not supported</li></ul>
Mozilla Firefox	✓ Latest stable version supported ✓ 3.6, 4.0
Safari	<ul><li>✓ Latest stable version supported</li><li>✓ 4, 5</li></ul>
Chrome	✓ Latest stable version supported
Version Control Systems	

Subversion (SVN)	Server 1.1, 1.2, 1.3, 1.4, 1.5, 1.6. 1.7 The client uses SVNkit or native JavaHL.
CVS (and CVSNT)	✓ All versions
Perforce (P4)	<ul> <li>✓ Client version 2007.3 or later</li> <li>✓ Server version 2005.1 or later. The Server must support the ztag tagged protocol.</li> </ul>
Git	✓ 1.7.1.1 or later
Mercurial (Hg)	■ 1.5.1 or later  NOTE: Mercurial 2.1 has a bug that makes it incompatible with Crucible. Please use Mercurial 2.1.1 or later.

#### **Supported Platform Notes**

1. Crucible requires **Java Runtime** (JDK or JRE), version as noted in the table above. Pre-release/Early access versions of the Java Runtime are *not supported*.

You can <u>download</u> a Java Runtime for Windows/Linux/Solaris. On Mac OS X, the JDK is bundled with the operating system. **Note:** We highly recommend that you use the Oracle JVM (or use the default Mac OS X JVM), as other implementations have not been tested. Please note:

- Once you have installed the JDK, you need to set the JAVA\_HOME environment variable. See <u>Installing Crucible on Windows</u> or <u>Installing Crucible on Linux and Mac</u> for details.
- If you are using a 64-bit JVM, please ensure that you've set your max heap size (--Xmx) to a reasonable value, considering the RAM requirements of your system.
- 2. Crucible is a pure Java application and should run on any platform provided the requirements for the JRE or JDK are satisfied.
- 3. The Crucible built-in database, running <u>HSQLDB</u> is somewhat susceptible to data loss during system crashes. We recommend that you do not use HSQLDB for production systems. External databases are generally more resistant to data loss during a system crash and are more suited for production use.

FishEye also supports a number of external databases, as noted in the table above. See the <u>Crucible Database</u> <u>documentation</u> for further details.

#### **Deployment Notes for Source Code Repositories**

Crucible can also store uploaded files in its own database, removing the need for any kind of repository. A number of external databases are supported when Crucible is used with FishEye. See the <u>FishEye Supported Platforms</u>.

## **End of Support Announcements for Crucible**

This page contains announcements of the end of support for various platforms and browsers when used with Crucible. This is summarised in the table below. Please see the sections following for the full announcements.

End of Support Matrix for Crucible

Platform	Crucible End of Support
MySQL 5.0	January 2012
PostgreSQL 8.0 and 8.1	January 2012
IBM ClearCase (all versions)	4 April 2012 (announcement)

The table above summarises information regarding the end of support announcements for upcoming Crucible releases. If a platform (version) has already reached its end of support date, it is not listed in the table.

#### **1** Why is Atlassian ending support for these platforms?

Atlassian is committed to delivering improvements and bug fixes as fast as possible. We are also committed to providing world class support for all the platforms our customers run our software on. However, as the complexity of our applications grows, the cost of supporting multiple platforms increases exponentially. Each new feature has to be tested on several combinations of application servers, databases, web browsers, etc, with setup and ongoing maintenance of automated tests. Moving forward, we want to reduce the time spent there to increase Crucible development speed significantly.

#### On this page (most recent announcements first):

- Deprecated Database Support for Crucible (4 October 2011)
- Deprecated Web Browsers for Crucible (21 March 2011)
- Deprecated Java Platforms for Crucible (21 March 2011)
- Deprecated SCM Repository Support for Crucible (4 April 2011)

#### **Deprecated Database Support for Crucible (4 October 2011)**

This section announces the end of Atlassian support for certain databases for Crucible.

We will stop supporting older versions of databases as follows:

For the next major version of Crucible, in January 2012, support for MySQL 5.0, PostgreSQL 8.0 and 8.
 will end.

Please refer to the <u>Supported Platforms</u> for more details regarding platform support for Crucible. If you have questions or concerns regarding these announcements, please email eol-announcement at atlassian dot com.

Database	Support End Date
MySQL 5.0	January 2012
PostgreSQL 8.0 and 8.1	January 2012

#### End of Support Notes for MySQL 5.0 and PostgreSQL 8.0 and 8.1:

- Atlassian intends to end of life support for MySQL 5.0, PostgreSQL 8.0 and 8.1 in January 2012. The
  release of Crucible after January 2012 will not support MySQL 5.0, PostgreSQL 8.0 or 8.1.
- As mentioned above, the releases of Crucible before January 2012 will contain support for MySQL 5.0 and PostgreSQL 8.0 and 8.1.

#### **Deprecated Web Browsers for Crucible (21 March 2011)**

This section announces the end of Atlassian support for certain web browsers for Crucible.

We will stop supporting older versions of web browsers as follows:

• From Crucible 2.6, due in May 2011, support for Internet Explorer 7 will end.

The details are below. Please refer to the <u>Supported Platforms</u> for more details regarding platform support for Crucible. If you have questions or concerns regarding this announcement, please email eol-announcement at atlassian dot com.

#### End of Life Announcement for Web Browser Support

Web Browsers	Support End Date
Internet Explorer 7	When Crucible 2.6 releases (target May 2011)

#### **Internet Explorer 7 Notes:**

- Crucible 2.5 is the last version to officially support Internet Explorer 7.
- Crucible 2.6 is currently targeted to release in May 2011 and will not be tested with Internet Explorer 7.
   After the Crucible 2.6 release, Atlassian will not provide fixes in older versions of Crucible for bugs affecting Internet Explorer 7.

#### **Deprecated Java Platforms for Crucible (21 March 2011)**

This section announces the end of Atlassian support for certain Java Platforms for Crucible.

#### We will stop supporting the following Java Platforms:

From Crucible 2.6, due in May 2011, support for Java Platform 5 (JDK/JRE 1.5) will end.

We are ending support for Java Platform 5, in line with <u>Sun's Java SE Support Road Map</u> (i.e. "End of Service Life" for Java Platform 5 dated October 30, 2009). We are committed to helping our customers understand this decision and assist them in updating to Java Platform 6, our supported Java Platform.

The details are below. Please refer to the <u>Supported Platforms</u> for more details regarding platform support for Crucible. If you have questions or concerns regarding this announcement, please email eol-announcement at atlassian dot com.

#### End of Life Announcement for Java Platform Support

Java Platform	Support End Date
Java Platform 5 (JDK/JRE 1.5)	When Crucible 2.6 releases, due May 2011

#### Java Platform 5 End of Support Notes:

- Crucible 2.5 is the last version to officially support Java Platform 5 (JDK/JRE 1.5).
- Crucible 2.6 is currently targeted to release in May 2011 and will not be tested with Java Platform 5
  (JDK/JRE 1.5). After the Crucible 2.6 release, Atlassian will not provide fixes in older versions of Crucibl
  for bugs affecting Java Platform 5 (JDK/JRE 1.5).

#### **Deprecated SCM Repository Support for Crucible (4 April 2011)**

This section announces the end of Atlassian support for certain SCM repositories for Crucible. End of support means that Atlassian will remove all functionality related to certain SCM repositories past the specified date. Releases before that date will contain the functionality that supports the SCM, however, Atlassian will fix only critical bugs that affect functionality for that SCM, and will not add any new features for that SCM.

Please refer to the <u>Supported Platforms</u> for more details regarding platform support for Crucible. If you have questions or concerns regarding these announcements, please email eol-announcement at atlassian dot com.

SCM Repository	Support End Date
IBM ClearCase (all versions)	4 April 2012

#### **IBM ClearCase End of Support Notes:**

- Atlassian intends to end of life IBM ClearCase functionality on 4 April 2012. The release of Crucible after 4 April 2012 will not contain any IBM ClearCase functionality.
- As mentioned above, the releases of Crucible before 4 April 2012 will contain support for IBM ClearCase
   However, we will only be fixing critical bugs related to IBM ClearCase and will not be adding any feature

#### **End of Support Announcement for IBM ClearCase**

Support in Crucible for <u>IBM ClearCase</u> ended on **April 4th 2012**. Crucible 2.8, and later versions, do not have support for ClearCase.

We have made these decisions to reduce the testing time required for each release and to help us to deliver market-driven features faster.

You can stay on older versions of Crucible to support your existing installations with ClearCase. However, Atlassian will **remove all functionality** related to ClearCase, from Crucible versions released after April 4th 2012. We are committed to helping our customers understand this decision and to assist you in migrating to a different SCM, if needed.

For more details about the announcement, please refer to this page: <u>End of Support Announcements for Crucible</u>.

## **Installing Crucible on Windows**

Hey! We're going to perform a clean install of Crucible on Windows. There are a few steps involved, but we think you'll find it easy to follow along.

If you already have FishEye installed, you should read <u>Upgrading from FishEye to Crucible</u> instead.

#### 1. Check supported platforms

Better check the <u>Supported Platforms</u> page first; it lists the application servers, databases, operating systems, web browsers and JDKs that we have tested Crucible with, and that we recommend.

Atlassian only officially supports Crucible running on x86 hardware and 64-bit derivatives of x86 hardware.

#### Related pages:

- Running Crucible as a Windows service
- Upgrading from FishEve to Crucible
- Installing Crucible on Linux and Mac
- Starting to use Crucible
- Supported Platforms

#### 2. Check your version of Java

In a command prompt, run this:

java -version

The version of Java should be **1.6.0** or higher. If you intend to <u>Running Crucible as a Windows service</u>, using the Java Service Wrapper, you should use 32-bit Java (even on a 64-bit machine), and the JDK rather than the JRE (so as to take advantage of the -server parameter).

#### If you don't see Java 1.6.0 or higher, then get Java...

Download and install the Java Platform JDK from Oracle's website.

A The Java install path should not contain spaces, so don't install into C:\Program Files\Java\. Instead, use a path like C:\Java.

Now try running 'java -version' again to check the installation. The version of Java should be **1.6.0** or higher.

#### 3. Check that Windows can find Java

Windows uses the JAVA\_HOME environment variable to find Java. To check that, in a new command prompt, run:

echo %JAVA\_HOME%

You should see a path to the Java install location that does *not* contain spaces. We recommend that JAVA\_HOME should point to the Java executable in your PATH.

If you don't see a path without spaces...

- If you see a path with spaces, like C:\Program Files\Java\, then sorry, but go back to 2. and reinstall Java to a location that doesn't have spaces.
- If you don't see a path at all, or if you just see %JAVA\_HOME%, then set JAVA\_HOME as follows:

#### For Windows 7:

- 1. Go to Start, search for "sys env" and choose Edit the system environment variables.
- 2. Click Environment Variables, and then New under 'System variables'.
- 3. Enter "JAVA\_HOME" as the **Variable name**, and the absolute path to where you installed Java as the **Variable value**. Don't use a trailing backslash. We recommend that JAVA\_HOME should point to the Java executable in your PATH.
- 4. Now, in a new command prompt, try running '%JAVA\_HOME%\bin\java -version'. You should see the same version of Java as you saw above.

#### 4. Create a dedicated Crucible user (recommended)

For production installations, we recommend that you create a new dedicated Windows user that will run Crucible on your system. This user:

- Should not have admin privileges.
- Should be a non-privileged user with read, write and execute access on the Crucible home (install) directory and instance (data) directory. These directories are described below.
- Should only have read access to your repositories.

If you created a dedicated Crucible user, ensure you are logged in as this user to complete the remaining instructions.

#### 5. Now it's time to get Crucible

<u>Download Crucible</u> from the Atlassian download site.

Extract the downloaded file to an install location:

- Folder names in the path to your Crucible executable should not have spaces in them. The path to the
  extracted directory is referred to as the <FishEye home directory> in these instructions, for
  compatibility with the FishEve install instructions.
- If you expect to have a large number of users for this Crucible installation, and Crucible will be <u>connected</u> to an external database, consider installing Crucible on a different server from the one running the external database, for improved performance.

#### 6. Tell Crucible where to store your data

The Crucible instance directory is where your Crucible data is stored.

A You should not locate your Crucible instance directory inside the <FishEye home directory> — these should be entirely separate locations. If you do put the instance directory in the <FishEye home directory> it will be overwritten, and lost, when Crucible gets upgraded. And by the way, you'll need separate Crucible instance directories if you want to run multiple copies of Crucible.

Create your Crucible instance directory, and then tell Crucible where you created it by setting a FISHEYE\_INST environment variable, as follows:

#### For Windows 7:

- 1. Go to Start, search for "sys env" and choose Edit the system environment variables.
- 2. Click Environment Variables, and then New under 'System variables'.

- 3. Enter "FISHEYE\_INST" as the **Variable name**, and the absolute path to your new Crucible instance directory as the **Variable value**. Don't use a trailing backslash.
- 4. Now copy the newly extracted <FishEye home directory>\config.xml file to the root of your new FishEye instance directory.

• Note that if Crucible is run as a Windows service using the Java Service Wrapper, Crucible-specific environment variables such as FISHEYE\_INST are ignored – these must be set in the wrapper.conf file. See Running Crucible as a Windows service.

If you have a large number of repositories, we recommend you increase the default number of files that Crucible is allowed to open. See the following knowledge base article for more info: <u>Subversion Indexer Paused with "Too many open files" Error</u>.

#### 7. Start Crucible!

In a command prompt, change directory to <fishEye home directory> and run this:

bin\start.bat

After a few moments, in a web browser on the same machine, go to <a href="http://localhost:8060/">http://localhost:8060/</a> (or, from another machine, type <a href="http://hostname:8060/">http://hostname:8060/</a>, where hostname is the name of the machine where you extracted Crucible).

Enter your license, then an admin password, to finish the setup.

You can postpone setting up JIRA integration until later if you wish; see <u>Configuring JIRA integration in the Setup Wizard</u>.

#### 8. Connect to an external database (recommended)

If you intend to use this Crucible installation in a production environment, it is highly recommended that you use one of the <u>supported</u> external databases. See <u>Migrating to an external database</u>.

If you are evaluating Crucible, or don't wish to do this now, Crucible will happily use its embedded database, and you can easily migrate later.

#### 9. Set up your mail server

Configure the Crucible email server so that users can get notifications from Crucible. See Configuring SMTP.

#### 10. Add users and repositories

Now is the time to set up your users in Crucible, and to tell Crucible about any existing repositories you have. Please read <u>Starting to use Crucible</u> for the details.

Crucible will perform an initial index of your repositories, during which it accesses, indexes and organises a view of your repositories (including all historical items) back to the earliest commits. If you are evaluating Crucible, we suggest that you index a single project, so you can use Crucible as soon as possible. If you choose to index your entire repository, be aware that this can take a long time (possibly days) for massive or complex repositories and can be more complex to set up (especially for Subversion). The basic process is slightly different for each SCM type.

#### 11. Stop Crucible (optional)

In a command prompt, change directory to <FishEye home directory> and run this:

bin\stop.bat

### Running Crucible as a Windows service

Crucible can be run as a service under Microsoft Windows using a <u>Java Service Wrapper</u>.

The service wrapper provides the following benefits:

- Allows Crucible, which is a Java application, to be run as a Windows Service.
- No need for a user to be logged on to the system at all times, or for a command prompt to be open and running on the desktop to be able to run Crucible.
- The ability to run Crucible in the background as a service, for improved convenience, system performance and security.
- Crucible is launched automatically on system startup and does not require that a user be logged in.
- Users are not able to stop, start, or otherwise tamper with Crucible unless they are an administrator.
- Provides advanced failover, error recovery, and analysis features to make sure that Crucible has the maximum possible uptime.

#### A Please note that:

- This page should be read in conjunction with <u>Installing Crucible on Windows</u>.
- You should use 32-bit Java to run the service wrapper provided via the link in the install instructions below, even on a 64-bit machine.
- You should use the Java JDK, rather than the JRE, to take advantage of the -server parameter, provided in the Wrapper configuration of <u>wrapper.zip</u>, which enables the <u>Java HotSpot(TM) Server VM</u>. See the <u>note</u> below for details.

#### On this page:

- Installing the Java Service Wrapper
- Setting Crucible environment variables for Windows Services
- Troubleshooting
  - Extracting files from wrapper.zip
  - Warning when using 64-bit Java JDK
  - Wrapper configuration and "-server" parameter

#### Related pages:

Installing Crucible on Windows

#### **Installing the Java Service Wrapper**

#### To install the Java Service Wrapper on Windows:

- 1. Download wrapper.zip from <a href="here">here</a>.
- 2. Unzip the wrapper zip file into your <FishEye home directory> (that is, the directory into which Crucible was originally installed). Note, the resulting folder structure should be <FishEye home directory>\wrapper, <FishEye home directory>\wrapper\bin, etc and NOT <FishEye home directory>\wrapper\wrapper\wrapper\bin. The location of the wrapper directory is important.
- 3. Tell the wrapper where to find the Java JDK by editing the <FishEye home directory>\wrapper\conf\wrapper.conf file, replacing this:

```
# Java Application
wrapper.java.command=java
```

with the following, and comment out the option you don't wish to use:

```
# Java Application
# Option 1: If you have JAVA_HOME defined in your Windows system
environment variables, then you can use:
wrapper.java.command=%JAVA_HOME%/bin/java
# Option 2: If you have multiple JDKs installed, and you don't want to use
a Windows environment variable to specify which one to use, provide the
absolute path to where the JDK is installed (e.g.
C:/Java/jdk1.7.0_05/bin/java):
wrapper.java.command=C:/<path to Java location>/bin/java
```

To get confirmation in the wrapper log that the wrapper is using the correct Java JDK, add the following lines to the wrapper.conf file:

```
# Tell the Wrapper to log the full generated Java command line.
wrapper.java.command.loglevel=INF
```

You can find the logs at <FishEye home directory>\var\log\wrapper.log.

- 4. Set the FISHEYE\_INST environment variable (and other Crucible-specific environment variables) in the < FishEye home directory>\wrapper\conf\wrapper.conf file, following the instructions below.
- 5. Install Crucible as a service as follows:
  - a. Open an Administrator command prompt by searching for 'Command prompt' in the Windows Start menu, right-clicking on **Command Prompt** and then choosing **Run as administrator**.
  - b. Change directory to <FishEye home directory>\wrapper and run bin\Fisheye-Install -NTService.bat. If you run into any problems starting the wrapper, you'll find its logs in <FishE ye home directory>\var\log\wrapper.log.
- 6. Start the Crucible service (which has the name 'Fisheye') from the Windows Control Panel; you can search in the Start menu for 'services', and in the list of services, right-click on the 'Fisheye' item and choose **Start**. You can also stop the Crucible service in this way.

#### Please note that:

- If you make changes to the wrapper.conf file, having already started the service, you need to stop and then restart the service for it to make use of the changed configuration.
- If in future you move the FishEye home directory, you will need to uninstall (using Fisheye-Uninstall -NTService.bat) and then reinstall the Crucible service.

#### **Setting Crucible environment variables for Windows Services**

Please note, that if you run Crucible as a Windows service, any Crucible-specific <u>environment variables</u> must be set in your <FishEye home directory>\wrapper\conf\wrapper.conf file.

If you run into any problems starting the wrapper, you'll find its logs in <FishEye home directory>\var\log\wrapper.log.

If there are other Java parameters you wish to add, then you will need to add them under the additional parameters section, e.g.

```
# JDK Additional Parameters for jmx
wrapper.java.additional.4=-Dcom.sun.management.jmxremote
wrapper.java.additional.5=-Dcom.sun.management.jmxremote.port=4242
wrapper.java.additional.6=-Dcom.sun.management.jmxremote.authenticate=fa
lse
wrapper.java.additional.7=-Dcom.sun.management.jmxremote.ssl=false
wrapper.java.additional.8=-Dcom.sun.management.jmxremote.authenticate=fa
lse
wrapper.java.additional.9=-Dcom.sun.management.jmxremote.password.file=.
/wrapper/jmxremote.password
wrapper.java.additional.10=-Dwrapper.mbean.name="wrapper:type=Java
Service Wrapper Control"
```

To add the FISHEYE\_INST environment variable, the Java MaxPermSize parameter, or the -Xrs options, use the following:

```
wrapper.java.additional.11=-Dfisheye.inst="c:/path/to/FISHEYE_INST" wrapper.java.additional.12=-XX:MaxPermSize=128m wrapper.java.additional.13=-Xrs
```

Note that the the -Xrs options should be used when running Crucible as a service under Windows to prevent the JVM closing when an interactive user logs out.

Your memory settings can also be found in this file:

```
# Initial Java Heap Size (in MB)
wrapper.java.initmemory=256

# Maximum Java Heap Size (in MB)
wrapper.java.maxmemory=1024
```

Increase these values if you have a large repository or expect to use more memory (init of 256, and a max of 1024 are the default values).

In Fisheye/Crucible 1.6.4 and higher, you can check the JVM input arguments by clicking **System info**, under 'System Settings' in the admin area.

#### **Troubleshooting**

#### Extracting files from wrapper.zip

Some customers have reported trouble running the wrapper. These can be avoided by:

Uncompressing wrapper.zip with Winzip or WinRar rather than using the Extract All command in the

- Windows right-click contextual menu.
- If the wrapper.zip filename appears green instead of black in Windows Explorer, decrypt it, prior to
  unzipping its contents, by right-clicking on the file, choose Properties, click the Advanced button, then
  clear the Encrypt contents to secure data checkbox.

#### Warning when using 64-bit Java JDK

When using a 64-bit Java JDK with the wrapper obtained via the link in the install instructions above, you may see the following in the wrapper.log file:

WARNING - Unable to load the Wrapper's native library 'wrapper.dll'. The file is located on the path at the following location but could not be loaded:

C:\installs\service\fisheye28\wrapper\lib\wrapper.dll.

Please verify that the file is readable by the current user and that the file has not been corrupted in any way. System signals will not be handled correctly.

This is caused by using a 64-bit JDK (even on a 64-bit machine). Changing to a 32-bit version of the JDK will prevent this warning. Community Edition versions of the 64-bit Windows Java Service Wrapper are not currently available.

#### Wrapper configuration and "-server" parameter

Please note that the wrapper configuration provided above uses the -server parameter to enable the <u>Java HotSpot(TM) Server VM</u>. This feature is only available if you use the JDK. If you use the JRE you will likely get the following error in your logs:

INFO | jvm 1 | 2010/12/20 18:19:28 | Error: missing `server' JVM at `C:\Program Files\Java\jre6\bin\server\jvm.dll'.

A common issue is that customers remove the <code>-server</code> parameter from the <code>wrapper.conf</code> file. Please note that if you do this, the wrapper script will ignore any of the following JVM parameters in the file unless you change the sequence to be in order, starting from <code>wrapper.java.additional.1</code>. This is an issue with the Wrapper application.

In this situation it's best to install and run Fisheye/Crucible with the JDK to get all the advantages of the <code>-server</code> functionality. You also need to force the wrapper to use the JDK by specifying the path to the Java JDK in the <code>wrapper.conf</code> file, as described in the installation instructions above.

## **Installing Crucible on Linux and Mac**

Hey! We're going to install Crucible on a Linux box, or a Mac. There are a few steps involved, but we think you'll find it easy to follow along. If you already have FishEye installed, you should read <u>Upgrading from FishEye to Crucible</u> instead.

#### 1. Check supported platforms

Better check the <u>Supported Platforms</u> page first; it lists the application servers, databases, operating systems, web browsers and JDKs that we have tested Crucible with, and that we recommend.

Atlassian only officially supports Crucible running on x86 hardware and 64-bit derivatives of x86 hardware.

#### Related pages:

- Installing Crucible on Windows
- Starting to use Crucible
- Supported Platforms

#### 2. Check your version of Java

In a terminal, run this:

java -version

The version of Java should be **1.6.0** or higher.

If you don't see Java 1.6.0 or higher, then get Java...

Download and install the Java Platform JDK from Oracle's website.

Now try running 'java -version' again to check the installation. The version of Java should be **1.6.0** or higher.

#### 3. Check that the system can find Java

In a terminal, run this:

echo \$JAVA\_HOME

You should see a path like /System/Library/Frameworks/JavaVM.framework/Versions/CurrentJD K/Home/.

If you don't see a path to the Java location, then set JAVA\_HOME...

Linux	Mac	
Do either of the following:  If JAVA_HOME is not set, log in with 'root' level permissions and run:	<pre>Insert the following in your ~/.profile file:     JAVA_HOME="path/to/JAVA_HOME"     export JAVA_HOME</pre>	
echo JAVA_HOME="path/to/JAVA_HO ME" >> /etc/environment	where path/to/JAVA_HOME may be like: /S ystem/Library/Frameworks/JavaVM.fr amework/Versions/CurrentJDK/Home/ Refresh your ~/.profile in the terminal and	
where path/to/JAVA_HOME may be like: /S ystem/Library/Frameworks/JavaVM.fr amework/Versions/CurrentJDK/Home/  If JAVA_HOME needs to be changed, open the /etc/environment file in a text editor and modify the value for JAVA_HOM E to:	confirm that JAVA_HOME is set:  source ~/.profile \$JAVA_HOME/bin/java -version	
JAVA_HOME="path/to/JAVA_HOME"	You should see a version of Java that is <b>1.6.0</b> or higher, like this:	
It should look like:	java version "1.6.0_24"	
JAVA_HOME=/System/Library/Framew orks/JavaVM.framework/Versions/C urrentJDK/Home/		

#### 4. Create a dedicated Crucible user (recommended)

For production installations, we recommend that you create a new dedicated user that will run Crucible on your system. This user:

- Should *not* have admin privileges.
- Should be a non-privileged user with read, write and execute access on the Crucible home (install) directory and instance (data) directory. These directories are described below.
- Should only have read access to your repositories.

If you created a dedicated Crucible user, ensure you are logged in as this user to complete the remaining instructions.

#### 5. Now it's time to get Crucible

Download Crucible from the Atlassian download site.

Extract the downloaded file to an install location:

- Folder names in the path to your Crucible executable should not have spaces in them. The path to the extracted directory is referred to as the <FishEye home directory> in these instructions, for consistency with the <a href="FishEye documentation">FishEye documentation</a>.
- If you expect to have a large number of users for this Crucible installation, and Crucible will be <u>connected</u> to an external database, consider installing Crucible on a different server from the one running the external database, for improved performance.

#### 6. Tell Crucible where to store your data

The Crucible instance directory is where your Crucible data is stored.

- 1. Create your Crucible instance directory.
- 2. Tell Crucible where you created it by adding a FISHEYE\_INST environment variable as follows:

Linux	Мас
Open the /etc/environment file in a text editor and insert:	Open the ~/.profile file for the current user in a text editor and insert:
<pre>FISHEYE_INST="path/to/<crucible directory="" instance="">"</crucible></pre>	FISHEYE_INST="path/to/ <crucible directory="" instance="">" export FISHEYE_INST</crucible>

3. Now copy the newly extracted <FishEye home directory>\config.xml file to the root of your new FishEye instance directory.

A You should not locate your Crucible instance directory inside the <FishEye home directory> — they should be entirely separate locations. If you do put the instance directory in the <FishEye home directory> it will be overwritten, and lost, when Crucible gets upgraded. And by the way, you'll need separate Crucible instance directories if you want to run multiple copies of Crucible.

If you have a large number of repositories, we recommend you increase the default number of files that FishEye is allowed to open. See the following knowledge base article for more info: <u>Subversion Indexer Paused with "Too many open files" Error.</u>

#### 7. Start Crucible!

In a terminal, change directory to <FishEye home directory> and run this:

bin/start.sh

After a few moments, in a web browser on the same machine, go to <a href="http://localhost:8060/">http://localhost:8060/</a> (or, from another machine, type <a href="http://hostname:8060/">http://hostname:8060/</a>, where hostname is the name of the machine where you extracted Crucible).

Enter your license, then an admin password, to finish the setup.

You can postpone setting up JIRA integration until later if you wish; see <u>Configuring JIRA integration in the Setup Wizard</u>.

#### 8. Connect to an external database (recommended)

If you intend to use this Crucible installation in a production environment, it is highly recommended that you use one of the <u>supported</u> external databases. See <u>Migrating to an external database</u>.

If you are evaluating Crucible, or don't wish to do this now, Crucible will happily use its embedded database, and you can easily migrate later.

#### 9. Set up your mail server

Configure the Crucible email server so that users can get notifications from Crucible. See Configuring SMTP.

#### 10. Add users and repositories

Now is the time to set up your users in Crucible, and to tell Crucible about any existing repositories you have. Please read <u>Starting to use Crucible</u> for the details.

Crucible will perform an initial index of your repositories, during which it accesses, indexes and organizes a view of your repositories (including all historical items) back to the earliest commits. If you are evaluating Crucible, we suggest that you index a single project, so you can use Crucible as soon as possible. If you choose to index your entire repository, be aware that this can take a long time (possibly days) for massive or complex repositories and can be more complex to set up (especially for Subversion). The basic process is slightly different for each SCM type.

#### 11. Stop Crucible (optional)

In a terminal, change directory to <FishEye home directory> and run this:

bin/stop.sh

## Configuring JIRA Integration in the Setup Wizard

This page describes the 'Connect to JIRA' screen of the Crucible setup wizard.

You can connect your application to a JIRA server, to manage your users via JIRA and share information with JIRA. When you are installing the application, the setup wizard gives you the opportunity to configure the JIRA connection automatically. This is a quick way of setting up your JIRA integration with the most common options.

You can also configure the JIRA connections via the application administration screens. In that case, you will need to set up connections individually. There are two parts to the integration process:

- A peer-to-peer link between JIRA and the application for sharing information and facilitating integration features. This link is set up via Application Links.
- A client-server link between the application and JIRA for delegating user and group management to your JIRA server.

Requirements: You need JIRA 4.3 or later.

#### On this page:

- Connecting to JIRA in the Setup Wizard
- Troubleshooting
- Notes

#### Related pages:

- <u>User Management Limitations and Recommendations</u>
- JIRA Integration in Crucible

#### Connecting to JIRA in the Setup Wizard

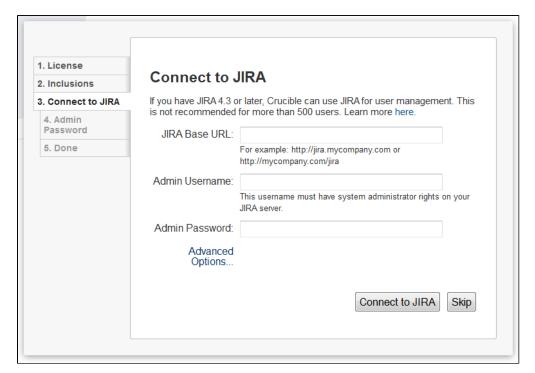
To configure JIRA integration while running the Crucible setup wizard:

- 1. Enter the following information on the 'Connect to JIRA' step of the setup wizard:
  - JIRA Base URL— The web address of your JIRA server. Examples:

```
http://www.example.com:8080/jira/
http://jira.example.com
```

- Admin Username and Admin Password The credentials of a user with the 'JIRA System Administrators' global permission in JIRA.
- FishEye/Crucible Base URL Click 'Advanced Options' to see this field. JIRA will use this URL to
  access your FishEye/Crucible server. The URL you give here will override the base URL specified
  in your FishEye/Crucible administration console, for the purposes of the JIRA connection.
- **Groups to synchronize** Click 'Advanced Options' to see this field. Select at least one JIRA group to synchronize. The default group is jira-users. JIRA will synchronize all changes in the user information on a regular basis. The default synchronization interval is 1 hour.
- Admin Groups Click 'Advanced Options' to see this field. Specify a JIRA group whose members should have administrative access to FishEye/Crucible. The default group is jira-administrat ors.
- 2. Click the 'Connect to JIRA' button.
- 3. Finish the setup process.
- 4. Configure the following setting in JIRA: Allow remote API access.

Screenshot: Connecting to JIRA in the FishEye/Crucible setup wizard



#### **Troubleshooting**

Click to see troubleshooting information...

This section describes the possible problems that may occur when integrating your application with JIRA via the setup wizard, and the solutions for each problem.

Symptom	Cause	Solution
• •		

The setup wizard displays one of The setup wizard failed to Remove the partial configuration the following error messages: complete registration of the if it exists, try the 'Connect to peer-to-peer application link with JIRA' step again, and then Failed to create application link JIRA. JIRA integration is only continue with the setup. Detailed from JIRA server at <URL> to partially configured. instructions are below. this <application> server at <URL>. Failed to create application link from this <application> server at <URL> to JIRA server at <URL>. Failed to authenticate application link from JIRA server at <URL> to this <application> server at <URL>. Failed to authenticate application link from <application> server at <URL> to this JIRA server at <URL>. The setup wizard displays one of The setup wizard failed to Remove the partial configuration if it exists, try the 'Connect to the following error messages: complete registration of the client-server link with JIRA for JIRA' step again, and then Failed to register <application> user management. The continue with the setup. Detailed configuration in JIRA for peer-to-peer link was instructions are below. shared user management. successfully created, but Received invalid response from integration is only partially JIRA: <response> configured. Failed to register <application> configuration in JIRA for shared user management. Received: <response> The setup wizard displays the The setup wizard successfully Please investigate and fix the following error message: problem that prevented the established the peer-to-peer link with JIRA, but could not persist application from saving the Error setting Crowd configuration file to disk. Then the client-server link for user authentication remove the partial configuration if management in your config.xm it exists, try the 'Connect to JIRA' 1 file. This may be caused by a step again, and then continue problem in your environment, with the setup. Detailed such as a full disk. instructions are below. The setup wizard displays the The setup wizard has completed Restart your application. You following error message: the integration of your application should then be able to continue with JIRA, but is unable to start with the setup wizard. If this Error reloading Crowd synchronizing the JIRA users solution does not work, please authentication with your application. contact Atlassian Support.

The setup wizard displays the following error message:

 An error occurred: java.lang.lllegalStateException: Could not create the application in JIRA/Crowd (code: 500). Please refer to the logs for details. The setup wizard has not completed the integration of your application with JIRA. The links are only partially configured. The problem occurred because there is already a user management configuration in JIRA for this <application> URL.

Remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup. Detailed instructions are below.

No users can log in after you have set up the application with JIRA integration.

Possible causes:

- There are no users in the group that you specified on the 'Connect to JIRA' screen.
- For FishEye: There are no groups specified in the 'groups to synchronize' section of your administration console.
- For Stash: You may not have granted any JIRA groups or users permissions to log in to Stash.

Go to JIRA and add some usernames to the group.

- For FishEye: Go to the FishEye administration screens and specify at least one group to synchronize. The default is 'jira -users'.
- For Stash: Grant the Stash
   User permission to the relevant
   JIRA groups on the Stash Glob al permissions page.

If this solution does not work, please contact <u>Atlassian Support</u>.

#### Solution 1: Removing a Partial Configuration - The Easiest Way

If the application's setup wizard fails part-way through setting up the JIRA integration, you may need to remove the partial configuration from JIRA before continuing with your application setup. Please follow the steps below.

Remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup wizard:

- 1. Log in to JIRA as a user with the 'JIRA System Administrators' global permission.
- 2. Click the 'Administration' link on the JIRA top navigation bar.
- 3. Remove the application link from JIRA, if it exists:
  - a. Click 'Application Links' in the JIRA administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
  - b. Look for a link to your application. It will have a base URL of the application linked to JIRA. For example:
    - If you want to remove a link between JIRA and FishEye, look for the one where the 'Application URL' matches the base URL of your FishEye server.
    - If you want to remove a link between JIRA and Confluence, look for the one where the 'A
      pplication URL' matches the base URL of your Confluence server.
    - If you want to remove a link between JIRA and Stash, look for the one where the 'Applic ation URL' matches the base URL of your Stash server.
  - c. Click the 'Delete' link next to the application link that you want to delete.
  - d. A confirmation screen will appear. Click the 'Confirm' button to delete the application link.
- 4. Remove the user management configuration from JIRA, if it exists:
  - a. Go to the JIRA administration screen for configuring the applications that have been set up to use JIRA for user management:
    - In JIRA 4.3: Click 'Other Applications' in the 'Users, Groups & Roles' section of the JIRA administration screen.
    - In JIRA 4.4: Select 'Administration' > 'Users' > 'JIRA User Server'.
  - b. Look for a link to your application. It will have a name matching this format:

```
<Type> - <HostName> - <Application ID>
```

#### For example:

```
FishEye / Crucible - localhost - 92004b08-5657-3048-b5dc-f886e662ba15
```

#### Or:

```
Confluence - localhost - 92004b08-5657-3048-b5dc-f886e662ba15
```

If you have multiple servers of the same type running on the same host, you will need to match the application ID of your application with the one shown in JIRA. To find the application ID:

• Go to the following URL in your browser:

```
<baseUrl>/rest/applinks/1.0/manifest
```

Replace <baseUrl> with the base URL of your application. For example:

```
http://localhost:8060/rest/applinks/1.0/manifest
```

- The application links manifest will appear. Check the application ID in the <id> element.
- c. In JIRA, click 'Delete' next to the application that you want to remove.
- 5. Go back to the setup wizard and try the 'Connect to JIRA' step again.

#### Solution 2: Removing a Partial Configuration – The Longer Way

If solution 1 above does not work, you may need to remove the partial configruration and then add the full integration manually. Please follow these steps:

- 1. Skip the 'Connect to JIRA' step and continue with the setup wizard, to complete the initial configuration of the application.
- 2. Log in to JIRA as a user with the 'JIRA System Administrators' global permission.
- 3. Click the 'Administration' link on the JIRA top navigation bar.
- 4. Remove the application link from JIRA, if it exists:
  - a. Click 'Application Links' in the JIRA administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
  - b. Look for a link to your application. It will have a base URL of the application linked to JIRA. For example:
    - If you want to remove a link between JIRA and FishEye, look for the one where the 'Application URL' matches the base URL of your FishEye server.
    - If you want to remove a link between JIRA and Confluence, look for the one where the 'A
      pplication URL' matches the base URL of your Confluence server.
    - If you want to remove a link between JIRA and Stash, look for the one where the 'Applic ation URL' matches the base URL of your Stash server.

- c. Click the 'Delete' link next to the application link that you want to delete.
- d. A confirmation screen will appear. Click the 'Confirm' button to delete the application link.
- 5. Remove the user management configuration from JIRA, if it exists:
  - a. Go to the JIRA administration screen for configuring the applications that have been set up to use JIRA for user management:
    - In JIRA 4.3: Click 'Other Applications' in the 'Users, Groups & Roles' section of the JIRA administration screen.
    - In JIRA 4.4: Select 'Administration' > 'Users' > 'JIRA User Server'.
  - b. Look for a link to your application. It will have a name matching this format:

```
<Type> - <HostName> - <Application ID>
```

#### For example:

```
FishEye / Crucible - localhost - 92004b08-5657-3048-b5dc-f886e662ba15
```

Or:

```
Confluence - localhost - 92004b08-5657-3048-b5dc-f886e662ba15
```

If you have multiple servers of the same type running on the same host, you will need to match the application ID of your application with the one shown in JIRA. To find the application ID:

Go to the following URL in your browser:

```
<baseUrl>/rest/applinks/1.0/manifest
```

Replace <br/> <br/>base<br/>Url> with the base URL of your application.

For example:

```
http://localhost:8060/rest/applinks/1.0/manifest
```

- The application links manifest will appear. Check the application ID in the <id> element.
- c. In JIRA, click 'Delete' next to the application that you want to remove.
- 6. Add the application link in JIRA again, so that you now have a two-way trusted link between JIRA and your application:
  - a. Click 'Add Application Link'. Step 1 of the link wizard will appear.
  - b. Enter the server URL of the application that you want to link to (the 'remote application').
  - c. Click the 'Next' button.
  - d. Enter the following information:
    - 'Create a link back to this server' Tick this check box to add a two-way link between the two applications.
    - 'Username' and 'Password' Enter the credentials for a username that has administrator access to the remote application.

*Note:* These credentials are only used to authenticate you to the remote application, so that Application Links can make the changes required for the new link. The credentials are not saved.

- 'Reciprocal Link URL' The URL you give here will override the base URL specified in your remote application's administration console, for the purposes of the application links connection. Application Links will use this URL to access the remote application.
- e. Click the 'Next' button.
- f. Enter the information required to configure authentication for your application link:
  - 'The servers have the same set of users' Tick this check box, because the users are the same in both applications.
  - 'These servers fully trust each other' Tick this check box, because you trust the
    code in both applications and are sure both applications will maintain the security of their
    private keys.

For more information about configuring authentication, see <u>Configuring Authentication</u> <u>for an Application Link</u>.

- g. Click the 'Create' button to create the application link.
- 7. Configure a new connection for user management in JIRA:
  - a. Go to the JIRA administration screen for configuring the applications that have been set up to use JIRA for user management:
    - In JIRA 4.3: Click 'Other Applications' in the 'Users, Groups & Roles' section of the JIRA administration screen.
    - In JIRA 4.4: Select 'Administration' > 'Users' > 'JIRA User Server'.
  - b. Add an application.
  - c. Enter the application name and password that your application will use when accessing JIRA.
  - d. Enter the **IP address** or addresses of your application. Valid values are:
    - A full IP address, e.g. 192.168.10.12.
    - A wildcard IP range, using CIDR notation, e.g. 192.168.10.1/16. For more information, see the introduction to <u>CIDR notation on Wikipedia</u> and <u>RFC 4632</u>.
    - Save the new application.
- 8. Set up the JIRA user directory in the application.
  - For Confluence:
    - a. Go to the Confluence Administration Console.
    - b. Click 'User Directories' in the left-hand panel.
    - c. Add a directory and select type 'Atlassian JIRA'.
    - d. Enter the following information:
      - Name Enter the name of your JIRA server.
      - Server URL Enter web address of your JIRA server. Examples:

```
http://www.example.com:8080/jira/
http://jira.example.com
```

- Application name and Application password Enter the values that you
  defined for Confluence in the settings on JIRA.
- e. Save the directory settings.
- f. Define the **directory order** by clicking the blue up- and down-arrows next to each directory on the '**User Directories**' screen.

For details see Connecting to Crowd or JIRA for User Management.

- For FishEye/Crucible:
  - a. Click Authentication (under 'Security Settings').
  - b. Click Setup JIRA/Crowd authentication. Note, if LDAP authentication has already been set up, you will need to remove that before connecting to JIRA for user management.
  - c. Make the following settings:

Application name and password	Enter the values that you defined for your application in the settings on JIRA.	
JIRA URL	The web address of your JIRA server.  Examples:  http://www.example.c om:8080/jira/ http://jira.example. com	
Auto-add	Select Create a FishEye user on successful login so that your JIRA users will be automatically added as a FishEye user when they first log in.	
Periodically synchronise users with JIRA	Select <b>Yes</b> to ensure that JIRA will synchronize all changes in the user information on a regular basis. Change the value for <b>Synchronise Period</b> if required.	
When Synchronisation Happens	Select an option depending on whether you want to allow changes to user attributes from within FishEye.	
Single Sign On	Select <b>Disabled</b> . SSO is not available when using JIRA for user management and if enabled will make the integration fail.	

- d. Click **Next** and select at least one user group to be synchronised from JIRA. If necessary, you could create a new group in JIRA, such as 'fisheye-users', and select this group here.
- e. Click Save.
- For Stash:
  - a. Go to the Stash Administration Console.
  - b. Click 'User Directories' in the left-hand panel.
  - c. Add a directory and select type 'Atlassian JIRA'.
  - d. Enter the following information:
    - Name Enter the name of your JIRA server.
    - Server URL- Enter web address of your JIRA server. Examples:

```
http://www.example.com:8080/jira/
http://jira.example.com
```

- Application name and Application password Enter the values that you
  defined for Stash in the settings on JIRA.
- e. Save the directory settings.
- f. Define the **directory order** by clicking the blue up- and down-arrows next to each directory on the '**User Directories**' screen.

For details see Connecting to JIRA for user management.

#### **Notes**

When you connect to JIRA in the setup wizard, the setup procedure will configure **Trusted Applications authentication** for your application. Please be aware of the following security implications:

Trusted applications are a potential security risk. When you configure Trusted Applications
authentication, you are allowing one application to access another as any user. This allows all of the
built-in security measures to be bypassed. Do not configure a trusted application unless you know that all
code in the application you are trusting will behave itself at all times, and you are sure that the application
will maintain the security of its private key.

## Starting to use Crucible

This page will guide you though the basics of using Crucible. By the end of it you should know how to:

- · Add a repository.
- Create a project.
- Create and perform reviews.

#### **Assumptions**

This page assumes that:

- You have installed and started the latest version of Crucible
- You are using a <u>supported browser</u>.

#### **Install Crucible**

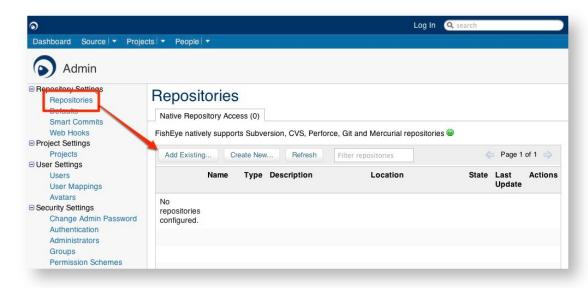
Get Crucible running on your computer. See the details here:

- Installing Crucible on Windows
- Installing Crucible on Linux and Mac

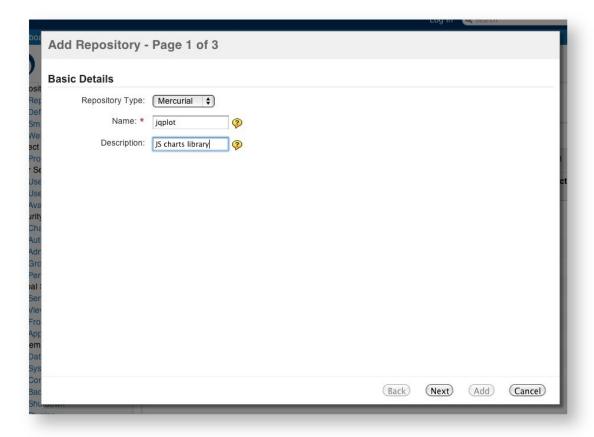
#### Add a repository

In this section we're going to add a repository to Crucible.

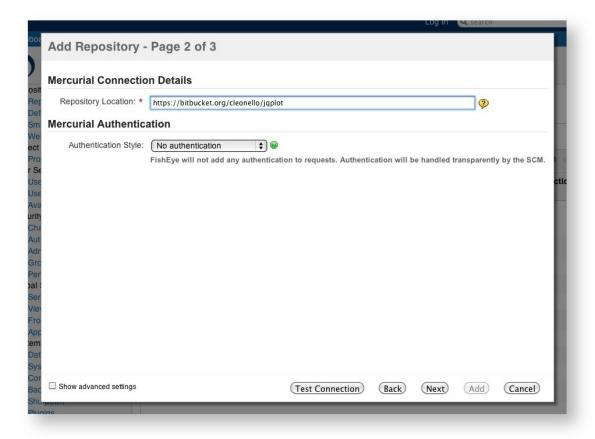
Click on **Add Existing...** in the **Repositories** listing of the Administration.



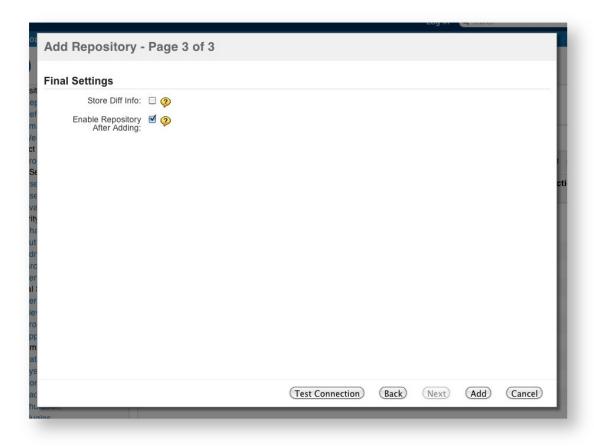
Choose the repository type and fill in the name and description.



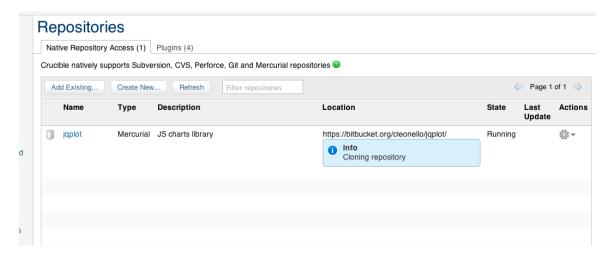
In the repository configuration put the location of your repository. Fill in the authentication details if necessary.



Finally indicate whether or not you would like diff indexing should be turned on and if the repository should not be indexed right away then click **Add** to finish the process.



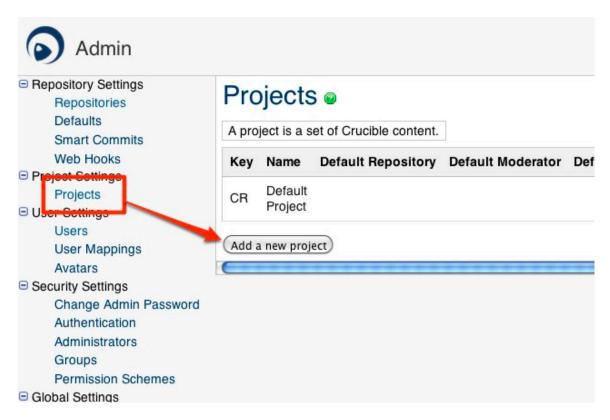
Your repository is now created in **Crucible** and the indexing should have started.



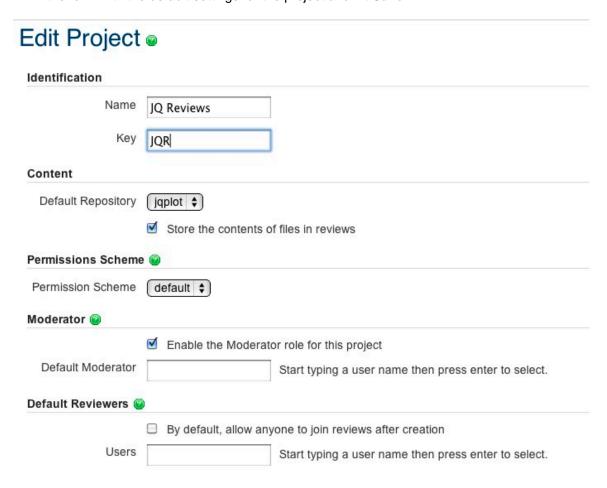
#### Create a project in Crucible

Crucible comes with a default project with the key CR but you will most likely have to create your own projects that will contain your reviews. This is achieved in a couple of steps.

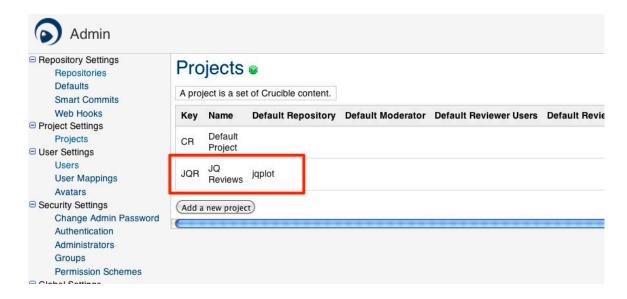
Click on Add a new project in the Projects listing of the Administration.



Fill in the form with the default settings for the project and hit Save.



You should then be taken back to the **Project listing** where you can see your new project created.



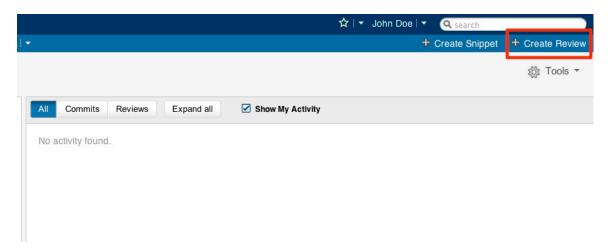
#### Create a review

Now that you have your own project it is possible to create reviews in it.

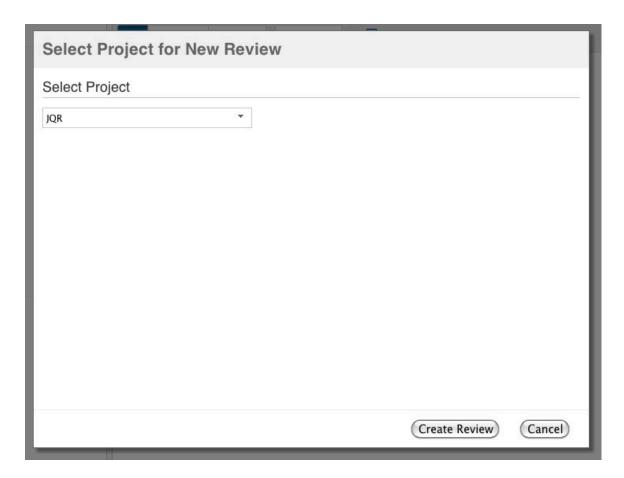


You need to be logged in to create reviews.

From the **Dashboard** click on **Create review** to open the review creation form.



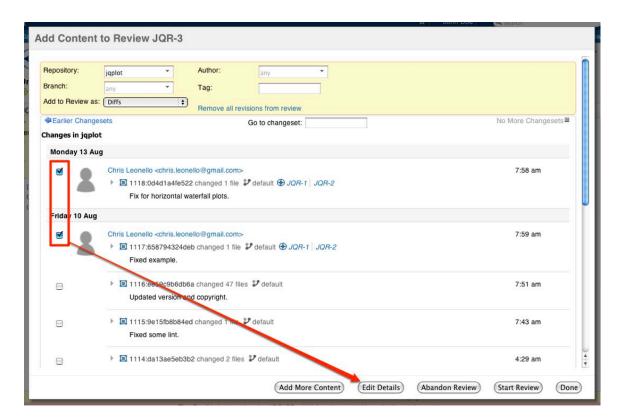
Choose the project in which you want to create the review.



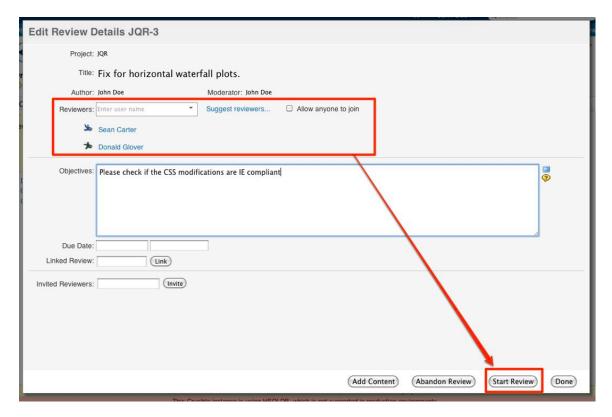
In the next screen click on **Browse Changeset** to see the list of changesets available to create the review.



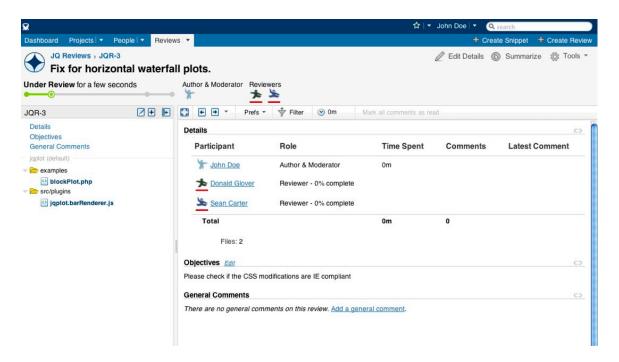
Select the changesets that you would like to be reviewed and then click on Edit Details to add reviewers.



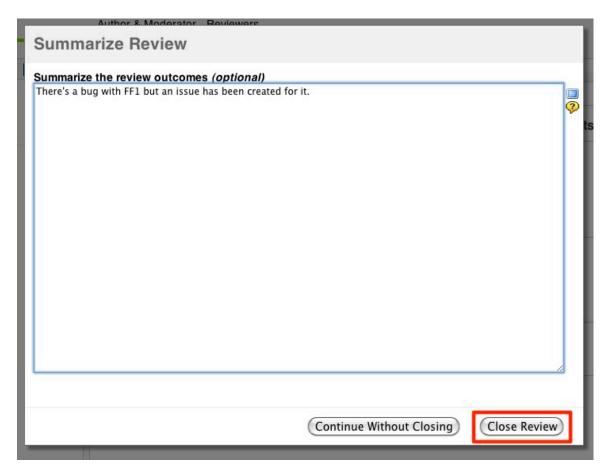
Once that you have chosen your reviewers and updated the review information you can click on **Start Review** to begin the review process.



The review is now created and the reviewers have been notified that a review is pending.



In order to close a review where you are the moderator you need to click on **Summarize** in the top right and then close the review from the modal window.



# **Using Crucible**

This page is an index of the content in the Crucible User's Guide. Click on a link below to see the desired page.

- The Crucible workflow
- Using the Crucible Screens
  - Browsing All Reviews
  - Browsing Source Files

- Using the Dashboard
- Crucible Icons
- Searching Crucible
- Viewing People's Statistics in Crucible
- Browsing Projects
  - Viewing Project Statistics
- Viewing Reports
  - Review Coverage Report
- Changeset Discussions
- Changing your User Profile
- Roles and Status Classifications
- Conducting a Review
  - Creating a Review
    - Creating a Patch Review
    - Creating a Review within Crucible
    - Creating a review from FishEve
    - Creating a review from JIRA
    - Creating a Review from a URL
    - Creating a Snippet Review
  - Selecting the Files for the Review
    - Iterative Reviews
  - Adding Reviewers
  - Issuing a Review
  - Performing the Review
    - Adding Comments
    - Flagging Defects
    - Completing your Review
    - Sending a Review's Comments via Email
    - <u>Using JIRA Integration in Crucible Reviews</u>
    - Using the Review History Dialog
    - Tracking Crucible Review Metrics
      - Using Progress Tracking
      - Using Time Tracking
  - Summarising and Closing the Review
  - Moving a Review to Another Project
  - Deleting a review
- Defining your Workflow
- Viewing Your Favourites
  - Using Favourites
- Using Keyboard Shortcuts in Crucible
- Using RSS Feeds in Crucible
- Using Wiki Markup in Crucible
- Using Gadgets in Crucible
- <u>Using Review Reminders</u>
- Transitioning JIRA issues

# The Crucible workflow

This page contains a basic overview of Crucible workflows, followed by a simple example showing a code review between two people.

Crucible is a flexible application that caters for a wide range of team sizes and work styles. You will need to know about the basic roles used in Crucible.

#### Roles:

There are several roles that review participants can take up:

• authors: Usually the creator of the code; the person who will act on the review's outcome.

- <u>reviewer</u>: A participant that will comment on the source files in the review, raising points and discussion on the work that was done.
- moderator: Usually the person who starts the review and is responsible for deciding the outcomes and closing it. The moderator is disabled for the "agile" permission scheme to simplify workflow.

You will also need to understand how workflow is conducted in Crucible. This is configurable, but the most basic example follows.

#### **Crucible Workflow:**

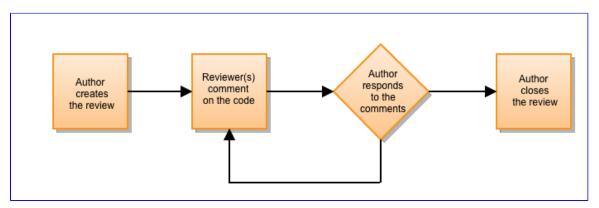
There are a number of different ways in which you can use Crucible for code reviews. The following diagram shows the basic workflow that applies to most Crucible code reviews.

# On this page:

**Example Workflow: Two Participant Code Review** 

- 1. The Author Starts the Review
- 2. The Reviewer Comments on the Code
- 3. The Author Responds to the Comments
- 4. The Author Closes the Review

Diagram: Workflow for One-to-One Reviews



Need more information? Read more about the different forms of workflow in Crucible.

Next, we explore the workflow in a two-person code review in Crucible.

## **Example Workflow: Two Participant Code Review**

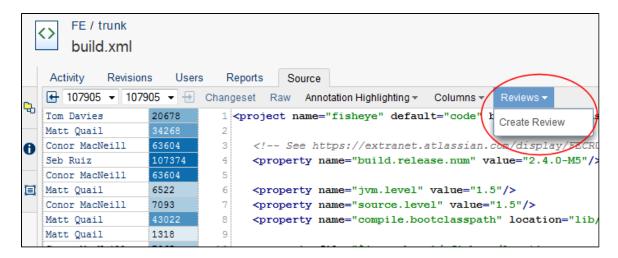
This is a simplified set of instructions for executing a one-to-one review involving two people. In this example, the code author wears "two hats", acting as <u>review creator</u>, and <u>code author</u>, managing the review process as well as taking final responsibility for closing the review. The second person is the reviewer.

for instructions on Crucible workflow with more than two people, see this page.

### 1. The Author Starts the Review

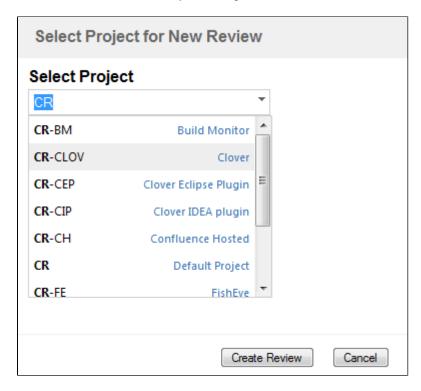
To begin, the code author sets up the review. There are a <u>number of ways to do this</u>, but for this example, the author starts from the FishEye Source view of the file he wants to review:

Screenshot: Opening a review from the FishEye Source view



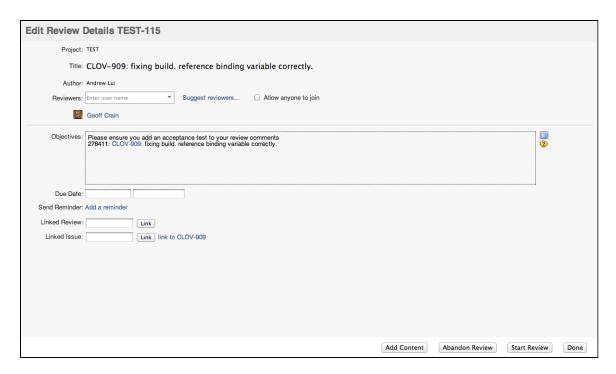
From the FishEye Source view, the author chooses **Reviews** > **Create Review**. If there are multiple projects, the Select Project dialogue opens.

Screenshot: The Select Project dialogue



In the Select Project dialogue, you are prompted to choose a project for this review from the drop-down list. Once the selection is made, the author clicks **Create Review**. The Edit Review Details dialogue opens, where the author can create and issue the review.

Screenshot: Creating a review in the Edit Review Details dialogue

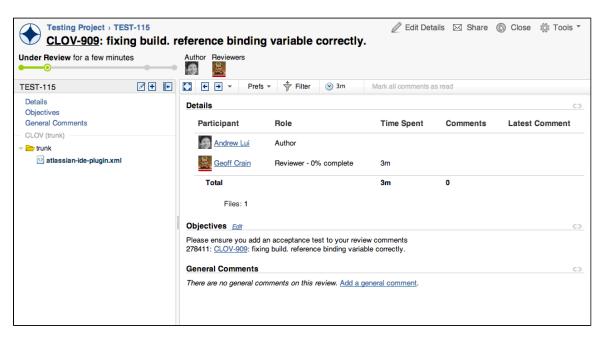


In the Edit Review dialogue, the author enters information needed for the review. This includes entering a title and description for the review, selecting reviewers, a due date and the key for a related JIRA issue (if any). The project and author are pre-selected.

The author can also add more content to the review, if they wish, by clicking **Add Content**. See <u>Selecting the Files for the Review</u>.

When finished, the author clicks **Done**. The review will now be created in a draft form.

Screenshot: A new Crucible review



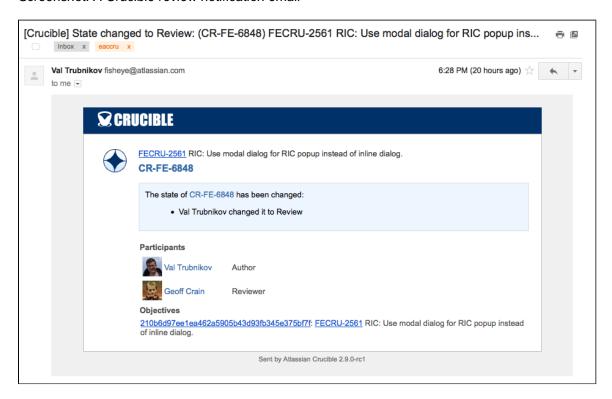
The draft review opens. In the draft stage, the author can check the contents of the review files to ensure they are correct and put in any notes for reviewers as comments. During the draft phase, no notification emails are sent out to reviewers. Once the author is finished with the draft phase, he clicks **Start Review**.

The review will now be started and a notification email will go out to all participants. This lets them know that the review is under way and prompts them to take action, providing a URL for direct access to the review.

#### 2. The Reviewer Comments on the Code

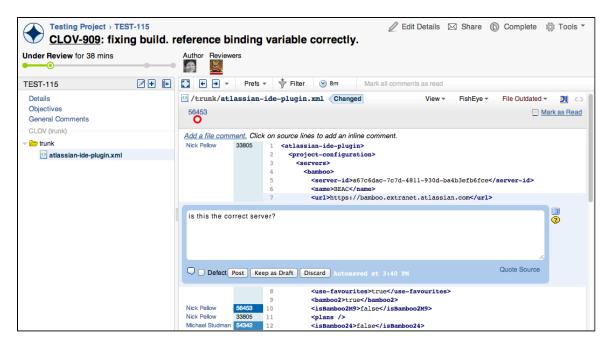
The reviewer will receive an email from Crucible with a link that they can follow to the review.

Screenshot: A Crucible review notification email



When the reviewer clicks the link in the notification email, the Crucible Review screen opens.

Screenshot: The Crucible Review screen



On the Crucible Review screen, the code changes under review are displayed. The reviewer clicks file names to expand the code for in-line reviewing. As the reviewer reads the changes, they can simply click on any line to enter a comment there (multiple lines can be selected by clicking and dragging).

The reviewer clicks Post when each comment is finished.

The reviewer repeats this process for all files in the review. Reviewers can leave the session and resume it later;

their work is automatically saved.

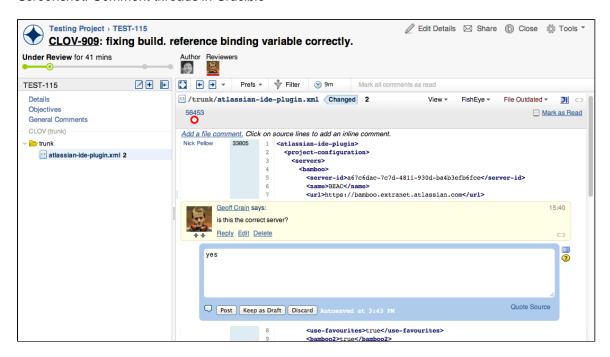
When the reviewer has finished their code review work, they click Complete.

By default, an email is sent to participants every time a comment is posted. This is an individual setting. Each reviewer can <u>configure their own profiles</u> to adjust the list of events that will trigger email notifications.

## 3. The Author Responds to the Comments

During the review process, the author can also make contributions, responding to reviewer comments and making corrections.

Screenshot: Comment threads in Crucible



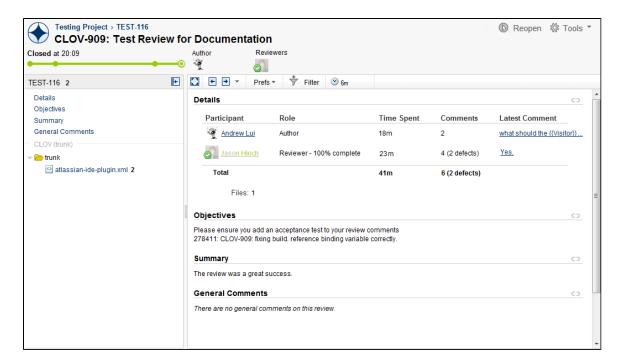
### 4. The Author Closes the Review

When all reviewers have "Completed" their reviews, the author is notified via email. The author clicks the link in the notification email, returning to the Review screen.

The author will then add any final comments, then click Close when finished.

This closes the review, signalling the end of work. A final email notification will be sent to the review participants, informing them that the review is now closed. The closed review screen will load, archiving the completed review as read-only.

Screenshot: Viewing a closed review



If the author ever needs to resume work on the closed review, they can simply click **Reopen** when viewing this screen. Doing this will return the review's status to "open".

For more information on workflow in Crucible and best practices for code reviews, see <u>Requesting and Conducting a Review</u>.

# **Using the Crucible Screens**

This page contains an overview of the Crucible interface and the actions that can be carried out in the application.

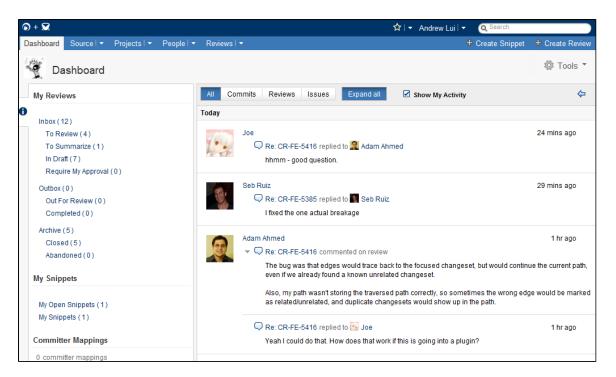
# On this page:

- Tour of the Crucible Interface
- Left Navigation Sidebar
  - Related Links

### **Tour of the Crucible Interface**

When you first log in to Crucible, the Dashboard Screen opens, as shown in the screenshot below. This view shows recent general activity in Crucible.

Screenshot: The Dashboard Screen in Crucible



The table below explain the top-level tabs in the Crucible User Interface. Click on the name of a tab for more information.

Element name	Function	Appears
Dashboard Tab	Displays reviews and system activity related to you.	All screens.
Source Tab	Displays contents of connected source repositories.	Only when FishEye is used with Crucible.
Source Dropdown Menu	Displays a list of links to repositories recently visited by the user	Only when FishEye is used with Crucible for logged-in users.
Projects Tab	Displays reviews and content from specific projects.	All screens.
Projects Dropdown Menu	Displays a list of links to projects recently visited by the user	All screens for logged-in users.
People Tab	Displays metrics on the users of the Crucible instance.	All screens.
People Dropdown Menu	Displays a list of links to user pages recently visited by the user	All screens for logged-in users.
Reviews Tab	Allows you to search and report on reviews.	All screens.
People Dropdown Menu	Displays a list of links to reviews recently visited by the user as well as links to the Crucible Inbox and Outbox	All screens for logged-in users.

# **Left Navigation Sidebar**

The navigation bar at the left of the screen applies specific filters to what is shown in the centre pane. See the page on <u>Using the Dashboard</u> for more information.

The left navigation sidebar can be hidden or displayed by clicking the blue 'information' icon (i) at the top left of the sidebar.

#### Related Links

Browsing Source Files
Browsing Projects
Viewing People's Statistics in Crucible
Viewing Reports
Searching Crucible
Using RSS Feeds in Crucible
Changing your User Profile

# **Browsing All Reviews**

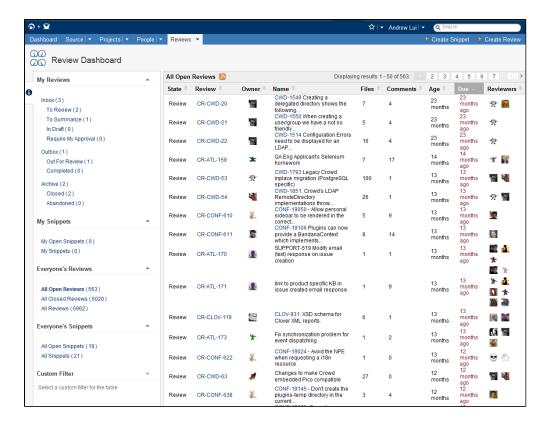
The instructions on this page describe how to browse all reviews on the 'Reviews' screen, by people or for projects that you have selected as <u>favourites</u>. This includes reviews that you are involved with. You can also <u>generate reports</u> on review blockers for all people.

The 'Reviews' tab is essentially a shortcut to viewing your reviews (or a custom filtered list, if you have set up a filter). You can also view all reviews filtered by different statuses, e.g. Open, Closed.

#### To browse all reviews:

- 1. Click the arrow next to the 'Reviews' tab at the top of the screen, and click 'All Reviews' in the dropdown menu. The 'Reviews' page will be displayed, showing all open reviews ('All Open Reviews' will be highlighted in the sidebar) unless you have previously used a <u>custom filter</u>. See the screenshot below.
- 2. Browse your reviews, by clicking the links under the 'My Reviews' and 'My Snippets' sections in the sidebar.
- 3. Browse reviews for all people by clicking the links under the 'Everyone's Reviews' and 'Everyone's Snippets' sections in the sidebar, as follows:
  - 1 Note, clicking any of the links below will redirect you to the 'Reviews' tab on the <u>Dashboard</u>. You can click the 'Reviews' tab at the top of the screen, if you need to return to this (e.g. to access the 'Reports' tab).
    - 'Everyone's Reviews' Click 'See reviews by state...' to expand the list of review categories in the sidebar. You can then click any of the links to view the relevant list of reviews:
      - 'All Open Reviews' Click to view all open reviews, i.e. reviews that have not been <u>summ</u> <u>arised and closed</u> yet.
      - 'All Closed Reviews' Click to view all closed reviews, i.e. reviews that have been <u>summarised and closed</u>.
      - 'All Reviews' Click to view all reviews, including open reviews, closed reviews and draft reviews.
    - 'Everyone's Snippets' Click 'See snippets by state...' to expand the list of snippet categories
      in the sidebar. You can then click any of the links to view the relevant list of snippet reviews, similar
      to the links described above. See <u>Browsing All Reviews</u>for more information.
      - 'All Open Snippets' Click to show all open <u>snippets</u>.
      - 'All Snippets' Click to show all snippets, i.e. open and closed snippets.

Screenshot: Browsing all Reviews on the 'Reviews' screen



#### **Notes**

**Related Topics** 

<u>Using the Dashboard</u> <u>Viewing Reports</u>

# **Browsing Source Files**

When FishEye is installed with Crucible, you have the additional 'Source' tab available in the navigation tabs at the top of the screen.

# To browse source files:

- 1. Click the 'Source' tab. The 'Repositories' view will be displayed, showing summary information if you have multiple repositories set up. See the 'Viewing all repositories' screenshot below.
- 2. Click the desired repository to view its contents. See the 'Viewing a repository' screenshot below.
- 3. Browse the repository for the desired source file using the directory tree in the left menu. Click the file that you want to view. The file will be displayed in the main panel. See the 'Viewing a file' screenshot below.
- 4. You can view various information about the file, as outlined in the table below:

Sub-Tab Name	Description
Revisions	When viewing a file, shows the latest revisions of the file.
Files	When viewing a folder, shows the contents of the directory.

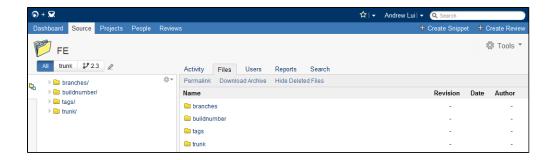
Activity	Shows recent activity on the item. There are a number of sub-options here:  * All Activity — The default view, showing commits, reviews and JIRA issues.  * Commits — Shows commits in the activity stream.  * Reviews — Shows review activity in the activity stream.  * Scroll to Changeset — Opens the changeset ID specified in the text field (press Enter to carry out the action).  * Filter — Applies constraints to the current activity stream.  * Show Revisions — If this is selected, then changeset items are automatically expanded to show modified files.  * Earlier Activity (Left Arrow icon) — Loads a page of earlier activity.  * Later Activity (Right Arrow icon) — Loads a page of later activity.
Users	Shows the commit history of the different users that have committed changes on the item.
Reports	Shows activity charts for the item. Various chart options can be selected in the left navigation bar.
Source	Shows the contents of the file.
Query	Allows you to run an advanced search.

• To download files, firstly click through the desired file. From there, you will see a control bar directly above the code content which contains the 'FishEye' item. Clicking this leads to a drop-down menu where 'Download Raw File' is available. You can use this to download the file in context only.

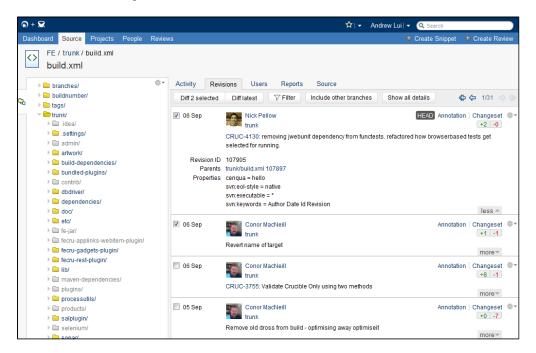
# Screenshot: Viewing all repositories



Screenshot: Viewing a repository



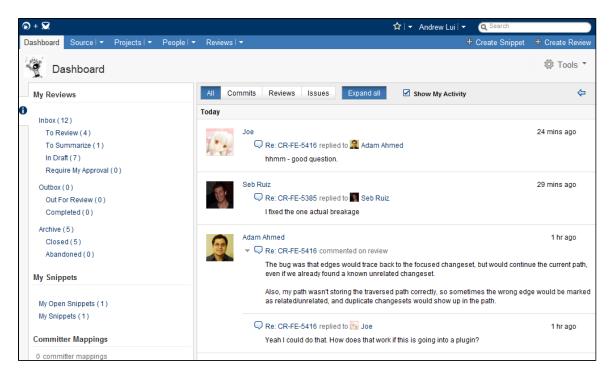
Screenshot: Viewing a file



# **Using the Dashboard**

The Dashboard is the first screen that you see when you log into FishEye/Crucible. It is the home page for the instance and can be accessed by clicking the FishEye/Crucible icon  $\bigcirc + \Sigma$ , or by clicking the '**Dashboard**' tab at the top.

Screenshot: Viewing the Dashboard



The Dashboard itself has a sidebar displaying your reviews and an activity in the main pane.

# Using the 'My Reviews' Sidebar

The 'My Reviews' sidebar contains information about reviews/snippets that you are involved with, e.g. how many reviews require your approval. Read more about the sidebar in <u>Browsing All Reviews</u>.

- Click on any of the links in the sidebar to navigate to that information in the 'Reviews' tab of the Dashboard.
- Hover your mouse over the sidebar and click the collapse icon (♠) to hide any of the sections. Click the expand icon (▼) to expand any collapsed sections.
- Click the 'i' icon ( 10 ) to hide/show the entire sidebar.

'Inbox'	Click to show all reviews in 'To Review', 'To Summarize', 'In Draft' and 'Require My Approval' states:
	<ul> <li>'To Review' — Click to show all reviews where you are a reviewer and haven't yet completed your review work.</li> <li>'To Summarize' — Click to show all reviews where you are a moderator and haven't yet summarised and closed the review.</li> <li>'In Draft' — Click to show all reviews that you have created but have not yet been moved to the 'Approval' state or the 'Require Approval' state.</li> <li>'Require My Approval' — Click to show all reviews where you are a moderator and need to approve the review.</li> </ul>

'Outbox'	Click to show all reviews in 'Out for Review' and 'Completed' states"
	<ul> <li>'Out for Review' — Click to show all reviews that you are a participant of, that have review work that is yet to be completed by other reviewers.</li> <li>'Completed' — Click to show all reviews that you are a participant of, and have been completed.</li> </ul>
'Archive'	Click to show all reviews in 'Closed' and 'Abandoned' states:
	<ul> <li>'Closed' — Click to show all reviews that you are a participant of, that have been <u>summarised and closed</u>.</li> <li>'Abandoned' — Click to show all reviews that you are a participant of, that have been abandoned. You may wish to delete these reviews.</li> </ul>
'My Open Snippets'	Click to show all open snippets created by you.
'My Snippets'	Click to show all snippets created by you.

# **Using the Activity Stream**

The Dashboard has an activity stream that displays the following information:

- reviews activity This includes the addition of review comments, opening and closing reviews, etc.
- source activity This includes files being committed to a repository.
- issues activity If you have <u>linked a JIRA server with your Crucible project</u>, the activity stream will also include updates to linked JIRA issues.

Your activity stream will only display information from projects, reviews, people, repositories, etc, that you have selected as favourites as well as your own activity. For more information on favourites, see <u>Using Favourites</u>.

The following instructions describe how to view the activity stream and filter it to display specific information.

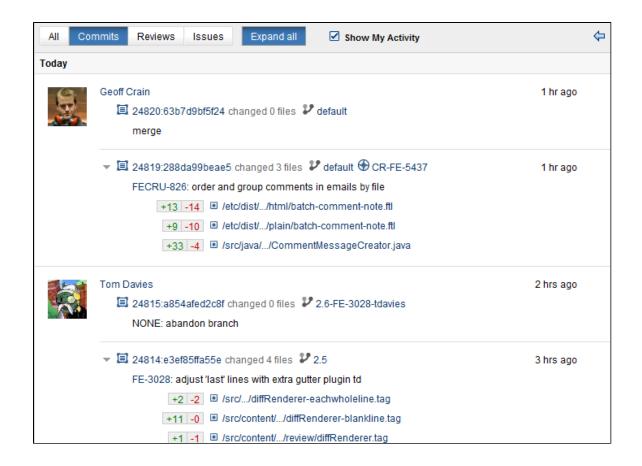
- 'Commits' tab See Browsing Source Activity only below.
- 'Reviews' tab See <u>Browsing Reviews Activity only</u> below.
  - \*'Issues' tab This tab will only display if you have connected a JIRA instance to your FishEye/Crucible instance. See <u>Browsing Issues Activity only</u> below.
- 'Show My Activity' checkbox Untick this checkbox to filter out your activity from the activity stream displayed. This toggle can be used in any of the tabs for the activity stream.

### **Browsing Source Activity only**

Source activity includes files commits to repositories that you have selected as favourites.

Click the 'Commits' tab to filter the activity stream to display only source activity (see screenshot below).

Browsing Source Activity on the Dashboard

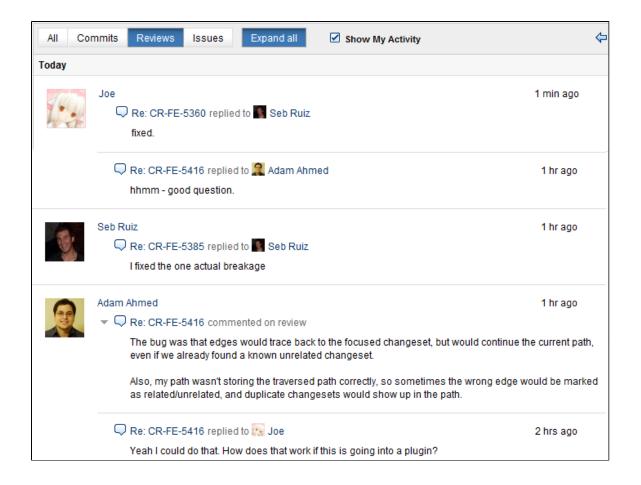


#### **Browsing Reviews Activity only**

Reviews activity includes updates to reviews in all projects that you have selected as <u>favourites</u>. See <u>Browsing</u> <u>All Reviews</u> for more information about browsing reviews.

Click the 'Reviews' tab to filter the activity stream to display only reviews activity (see screenshot below).

Browsing Reviews Activity on the Dashboard

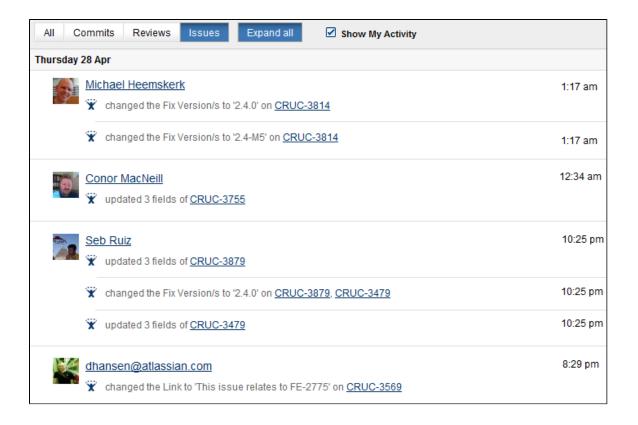


### **Browsing Issues Activity only**

Issues activity includes updates to issues in JIRA projects that are associated with your <u>favourite</u> Crucible projects. For more information about integrating JIRA with Crucible, see <u>JIRA Integration in Crucible</u>.

Click the 'Issues' tab to filter the activity stream to display only issues activity (see screenshot below).

Browsing Issues Activity on the Dashboard



## **Watching an Activity Stream**

You can "watch" an activity stream in FishEye/Crucible. Watching the activity stream allows you to receive emails when updates occur in the activity stream. You can view all of your watches and configure the frequency of your watch emails in your user profile. See <u>Changing your User Profile</u> for more information.

Note, the option to add a watch will only be available if the administrator has enabled watches for the repository.

## To watch an activity stream:

- 1. Navigate to the activity stream that you want to watch.
- 2. Click the '**Tools**' menu and click '**Watch**'. The page will reload and a watch will be set up for the activity stream (the watch icon will be coloured, not grey).
  - If you want to remove the watch, navigate the activity stream, click the '**Tools**' menu and click '**Wat ch**'. The watch will be removed (the watch icon will be coloured, not grey).
    - 1 You can also remove watches via your user profile.

### **Notes**

**Related Topics** 

Browsing All Reviews
Using Favourites
Changing your User Profile

# **Crucible Icons**

This page contains a list of Crucible icons and an explanation what each one represents in the user interface.

Icon	Description
	View review-level comments

•	Go to the previous comment
•	Go to the next comment
<b>+</b>	Add a comment
<b>+</b>	Go to the previous file in this review
<b>→</b>	Go to the next file in this review
<b>‡</b>	Expand all files
	Collapse all files
O	A file included in this review
	A directory included in this review

# **Searching Crucible**

Crucible has a powerful search engine that allows you to find reviews. There are two methods for searching in Crucible:

- Quick Search The Quick Search allows you search all Crucible projects by entering a single search string. This search is the default search and will suggest "quick nav" results (header search box only).
   Results are weighted by most recent edit date.
- **Filtering Reviews** An alternative method for searching for reviews is to display all reviews and apply a custom filter to the list. This is generally slower than searching, but allows you to specify filter criteria against a range of fields.
- Comment Search If you want to find specific <u>review comments</u>, Crucible provides a powerful comment search.

## On this page:

- Using the Quick Search
- Filtering Reviews
- Searching for Review Comments
- Notes

# **Using the Quick Search**

Before you begin:

• The Quick Search will also return changesets and files, if you are using <u>FishEye</u> with Crucible. For information on searching FishEye, see <u>Searching FishEye</u> in the FishEye documentation.

# To search Crucible using the Quick Search:

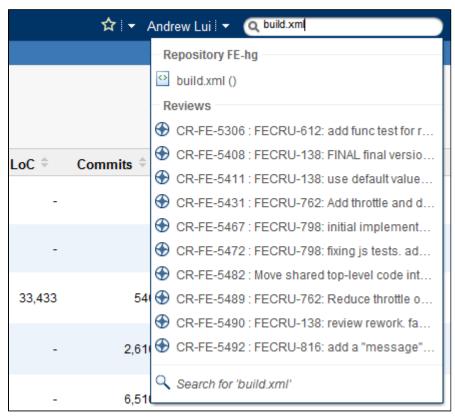
- Enter your search criteria in the search box in the Crucible header (Quick Nav). Crucible offers a number
  of parameters and functions that you can use to refine your expected results, see <u>Refining your Quick</u>
  <u>Search Criteria</u> below.
- 2. "Quick Nav" results will appear in a dropdown, as you type. "Quick Nav" will attempt to match against the review name, project and user.

- If you want to use a quick nav result, use the up- and down-arrows on your keyboard and press enter or use your mouse to select the item.
- If the quick nav results don't have what you are looking for, press enter to run a search. Ensure that no items in the dropdown are selected when you press enter.
- 3. The Quick Search results page will be displayed. You can filter your results further, as described in <u>Filtering Quick Search Results</u> below.

Results are sorted by relevance and boosted if they were edited recently. A maximum of 10 results are displayed per page.

- If you have integrated your Crucible instance with a JIRA instance, you can display a summary
  of any JIRA issues referenced in your search results by hovering over the issue key. For more
  details, see JIRA Integration in Crucible.
- 4. If you want to run another search, enter your new criteria in the main search box or in the search box in the header.

Note, only the search box in the header provides "quick nav" results.



Screenshot above: Quick Search displaying "quick nav" matches

## Refining your Quick Search Criteria

The Crucible Quick Search has a number of powerful tools that you can use to refine your search criteria before executing the search.

Search Tool	Description	Example

Field Handles	Use a field handle in your criteria to restrict your search to a particular field. Note, you cannot have multiple field handles in a query.  • detail — Search against title, objective, key, linked reviews and linked issues.  • reviewcomment — Search against review comments.	
Searching for Discrete Strings	Enter a specific string within quotation marks and Crucible will match against the exact string.  Note, this search is not case-sensitive.	Enter "CR-2818" and Crucible will only return results that match that exact string, i.e. it will not return a result with CR-FE-2818 or CR-28 189.

## Filtering Quick Search Results

Once you have a set of search results on the Quick Search page, you can filter them to a subset of the original results. The filter controls are in the left panel of the Quick Search page in the 'Source' section.

Filter	Description
Projects	Select or enter the name of the project that you want to restrict your results to. For example, if you enter 'CR' then the search results page will refresh to display only reviews in the 'CR' project.  If you are using Fisheye with Crucible, there will be a repositories dropdown in the 'Source' section. Selecting a FishEye repository in this dropdown will not filter the Crucible search results. It is only used to filter files and changesets returned in the search results. See Searching FishEye.
Reviews	Click this link to restrict your results to reviews that have a title, objective, key, linked reviews or linked issues that match the search criteria.
Comments	Click this link to restrict your results to reviews that have comments that match the search criteria.

# **Filtering Reviews**

Crucible allows you to view all the reviews/snippets that you are involved with, as well as everybody's reviews/snippets. You can filter these lists to find reviews.

# To filter a list of reviews:

- 1. Navigate to the 'Reviews' tab.
- 2. Click the list of reviews that you want to start with, in the reviews sidebar of the 'Review Dashboard', e.g. 'All Open Reviews'.

- 3. Click the 'Custom Filter' in the reviews sidebar.
- 4. Update the filters with your search criteria (see table below) and click 'Apply Filter' to filter the reviews.

Filter	Description
Title	Find reviews by searching for words within the title.
Project	Find reviews under a particular project.
Author	Find reviews moderated by a particular <u>authors</u> .
Moderator	Find reviews moderated by a particular moderator <u>s</u> .
Creator	Find reviews created by a particular <u>creator</u> .
Reviewer	Find reviews that are reviewed by a particular reviewer. This will default to the user logged in.
Reviewer Status	This is reliant on the above filter and is used to show reviews that have either been completed by the reviewer, not completed or all reviews.
Match Roles	To use all the above filters, choose 'all'. To use any of the filters, choose 'any'.
Review state checkboxes	Check any of the review state checkboxes (e.g. 'Draft', 'Pending Approval') to filter for reviews in those states.

# **Searching for Review Comments**

# To search for review comments:

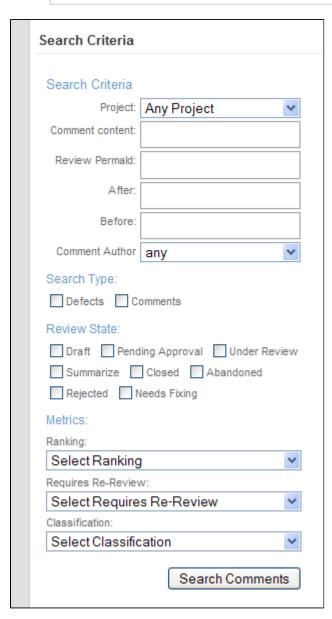
- 1. Navigate to the 'Reviews' tab.
- 2. Enter your search criteria in the 'Comment Search' section at the bottom of the reviews sidebar.
- 3. Click 'Search Comments'.
- 4. The 'Comment Search' page will display your results. You can refine your search using the search criteria on the page:

Project	Find comments on reviews under a particular project.
Comment content	Find comments that contains the specified text.
Review Permald	Find comments made on the specified review.
After	Find comments made after after a particular date.
Before	Find comments made after before a particular date.

Comment Author	Find comments made by a particular user.		
Search Type	You can:		

- Tick the 'Defects' check-box to find comments that are flagged as <u>Defects</u>.
- Tick the 'Comments' check-box to find comments that are not flagged as Defects.
- Tick neither check-box (or both of them) to find all . ||

Review State	Find comments on reviews that are in a particular state. See <i>Review State Filter</i> (above).		
Ranking	Find <u>defects</u> have been given a particular ranking (e.g. 'Major', 'Minor').		
Requires Re-Review	Find <u>defects</u> that have been marked as requiring re-review (or not).		
Classification	Find <u>defects</u> that have been given a particular classification (e.g. 'Missing', 'Ambiguous').		



Screenshot above: Search Comment Filter Options

#### Displaying Defect Metric Charts for Comment Search Results

Once you have retrieved results for a review comment search, you can click '**Defect Metrics**' in the left navigation pane to display defect classification charts.



Screenshot above: Comment Search Results

### **Notes**

**Related Topics** 

Searching FishEye (FishEye documentation)

# **Viewing People's Statistics in Crucible**

This page contains instructions on how to use the People tab in Crucible to see charts and activity from people with accounts on the system.

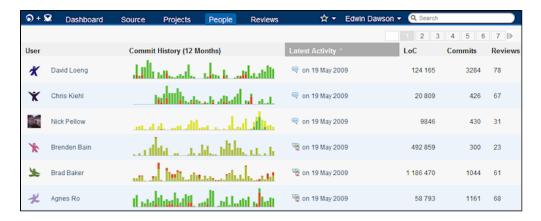
On this page:

- Opening the List of People
- Viewing a Person's Activity Screen
- Viewing Charts on a Person's Activity

### Opening the List of People

To view statistics on People in Crucible, (that is, code authors, committers and reviewers) click the **People** tab at the top of the page. The list of all People appears.

Screenshot: List of all People in Crucible (when using FishEye with Crucible)

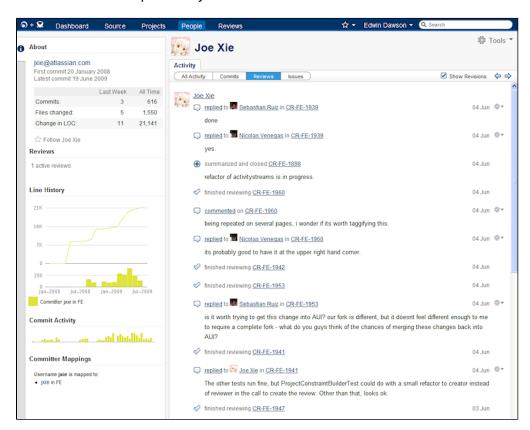


The list of all people shows all users that have accounts on the system. By default, each user has a unique avatar that is randomly formed from the text in their email address. Users can choose to upload their own avatar image by uploading an image to an external service such as Gravatar, which Crucible supports. See the page on Changing your User Profile.

### Viewing a Person's Activity Screen

Click on a user to see a listing of activity from them as well as charts showing statistics for their activity. The People Activity screen opens.

Screenshot: The People Activity Screen in Crucible



In the right hand pane, we can see a list of all activity that relates to this user. You can click the icons to view full commit information in FishEye, click JIRA issue names to open the work ticket on an item, click the long button to see the list of files in context or click the <u>star</u> icon to add an item to your favourites.

In the left hand pane, we can see charts around this activity, such as the following: number of active reviews; charted history of lines of code; code committing activity and general statistics.



Some users may not appear to have the correct number of Files Changed or LOC, despite regularly committing. In this situation, if they have committed to a directory which is not covered by the regexes in your symbolic definition (i.e. they have committed to a directory that is neither trunk, branches or tags) then that directory will be counted as part of trunk. Also note that creating tags and branches themselves does not count toward the totals.

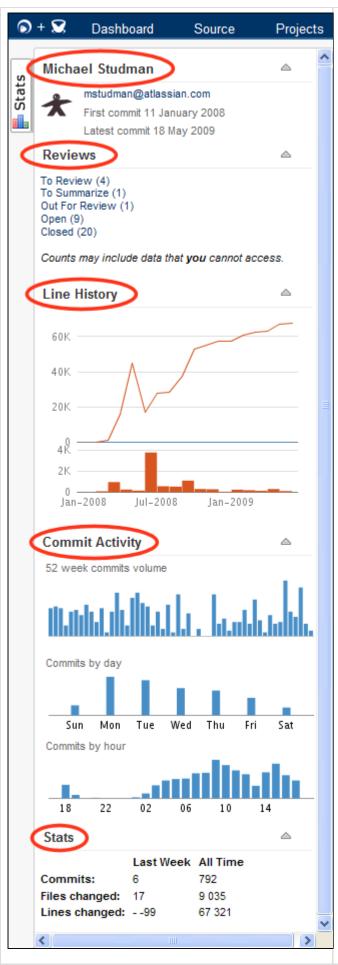
## Viewing Charts on a Person's Activity

To see information on a person's activity charted in detail, click the headings in the left-hand pane. Each heading will show more information on demand, when clicked. The information available and what it means is listed below.



A The Charts in this section are only available when using FishEye.

Screenshot: People Activity Charts in Crucible



## • Username heading:

The username section shows the email address, then the first and latest commit dates for the person in context. It also shows username mappings from various systems if they have several usernames in play.

### Reviews heading:

The Reviews section shows several filters that you can click to constrain the review items shown in the right-hand pane. The options are **To Review**, **To Summarize**, **Out For Review**, **Open** and **Closed**.

# • Line History heading:

The Line History section shows a graph with the number of lines committed to the repository, charted over time.

### Commit Activity heading:

The Commit Activity section shows three smaller charts; the first showing the volume of commits over a 52 week period; the second showing the relative number of commits on days of the week; the third showing the relative number of commits by the hour of the day when they were lodged.

### • Stats heading:

The Stats section shows data points for the previous week and all-time. It shows number of commits, number of files changed and number of lines changed.

# **Browsing Projects**

# To browse the content in a project, click the Projects tab at the top of the page. The 'Projects' view opens (see 'The Crucible Projects Index' screenshot below).

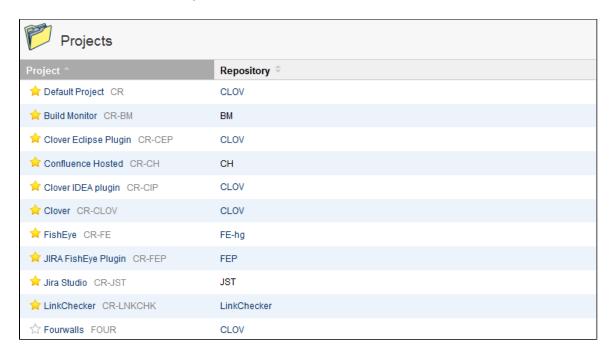
A list of projects will be shown if there is more than one. Click the name of the desired project to open it. The '**Pr oject Activity**' page opens (see 'The Crucible Project View' screenshot below). In the left navigation bar, charts showing overall project statistics are displayed.

There are a number of sub-tabs on this page, listed in the table below.

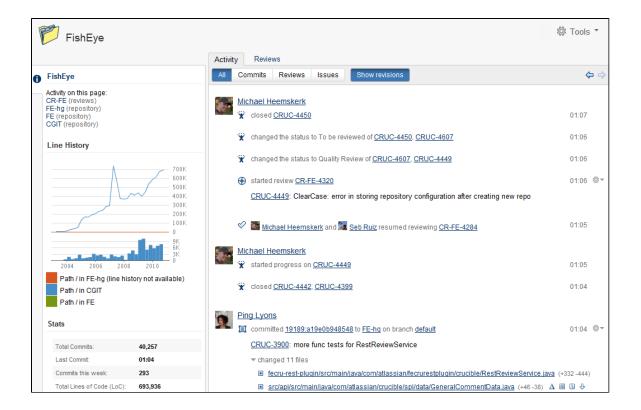
Sub-Tab Name	Description		
Activity	<ul> <li>All Activity — The default view.</li> <li>Commits — Shows commits in the project (visible when using FishEye).</li> <li>Reviews — Shows reviews in the project.</li> <li>Issues — Shows JIRA issues related to this project.</li> <li>Only visible if you have set up JIRA Integration in Crucible.</li> <li>Show Revisions — Shows or hides revisions in the project (visible when using FishEye).</li> <li>Earlier Activity (Left Arrow icon) — Loads a page of earlier project activity.</li> <li>Later Activity (Right Arrow icon) — Loads a page of later project activity.</li> </ul>		
Reviews	Shows recent reviews in the project.		

The Projects tab is only visible in Crucible. Read more about the definition of a project.

Screenshot: The Crucible Projects Index



Screenshot: The Crucible Project View



# **Viewing Project Statistics**

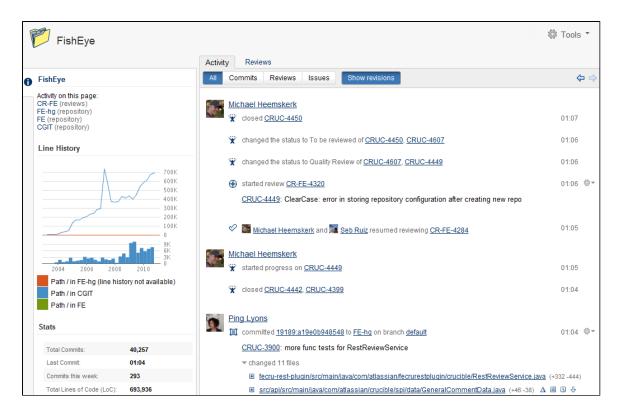
This page explains the layout of the Project Summary page.

# On this page:

- Project Name Panel
- Project Line History Panel
- Project Stats Panel
- Project Commit Activity Chart

When you click through to a Crucible Project from the Projects Tab, the 'Project Summary' screen opens.

Screenshot: The Crucible Project Summary Page



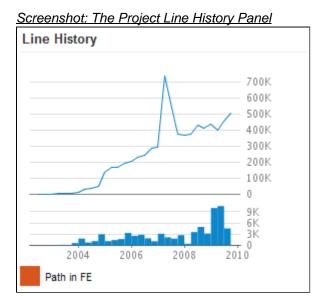
In the right hand pane, you can see an activity stream relating to this project. In the left hand pane, you can see various statistics charts relating to the project in context. These appear in a reduced size until you click them, when they will expand to show more information.

## Project Name Panel

This contains a short message explaining which Crucible Project and FishEye repositories are being accessed to show the activity stream on the page.

### **Project Line History Panel**

This panel contains a chart showing the lines of code added to the repository, graphed over time.



### **Project Stats Panel**

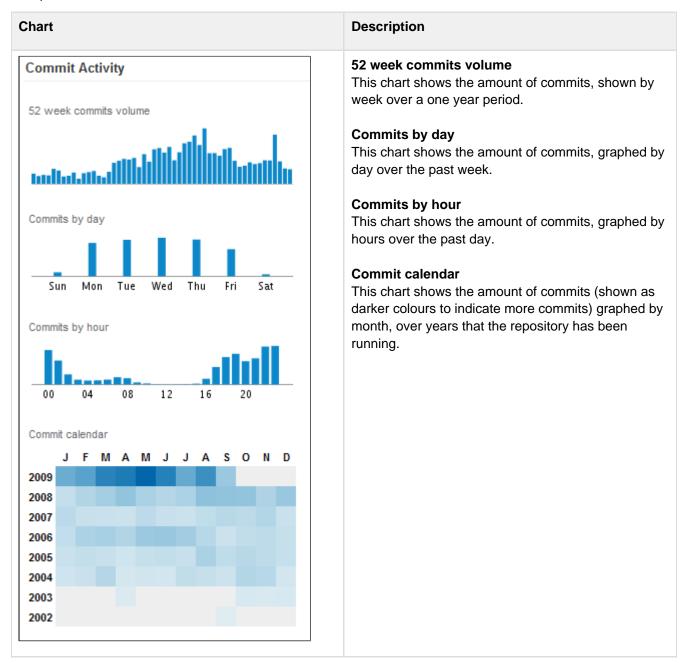
This panel contains a chart showing numerical data for commits, files changed and lines change, graphed over time.

Screenshot: The Project Stats Panel

S	tats			
		Last W	eek	All Time
	Commits:	1:	37	16,033
	Files changed:	54	43	69,896
	Lines changed:	33,54	43	504,583

## **Project Commit Activity Chart**

This panel contains a number of charts:



# **Viewing Reports**

This page contains instructions on how to use the Reports tab in Crucible to see lists of people whose action is required on open reviews. These are known as 'blockers'.

# FishEye Reports (on this page):

- Viewing the 'Review Blockers' report
- Viewing the 'JIRA Blockers' report
- Viewing the Review Coverage Report

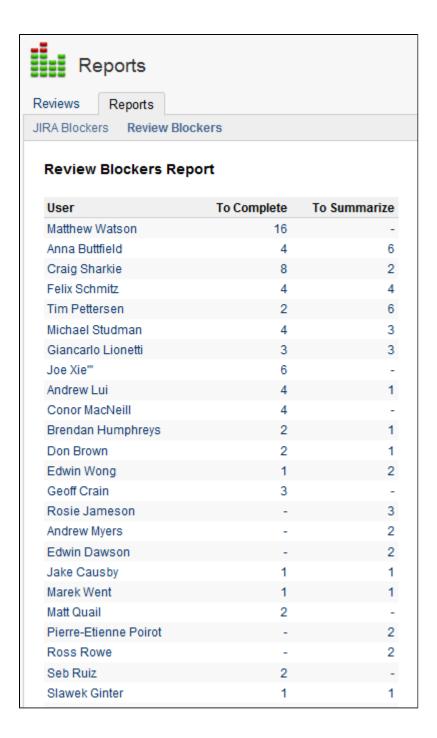
## Viewing the 'Review Blockers' report

To view a list of people who have open reviews assigned to them,

## To view the 'Review Blockers' report:

- 1. Click the dropdown arrow next to the 'Reviews' tab at the top of the page and select 'Reports' from the dropdown menu.
- 2. Click the 'Review Blockers' link under the 'Reports' sub-tab. The 'Review Blockers' report will be displayed.
  - Click a user's name to go to their 'Activity' screen.
  - Click a number in the '**To Complete**' or '**To Summarize**' column to go to the list of reviews waiting to be completed/summarised by the user.

Screenshot: 'Review Blockers' Report



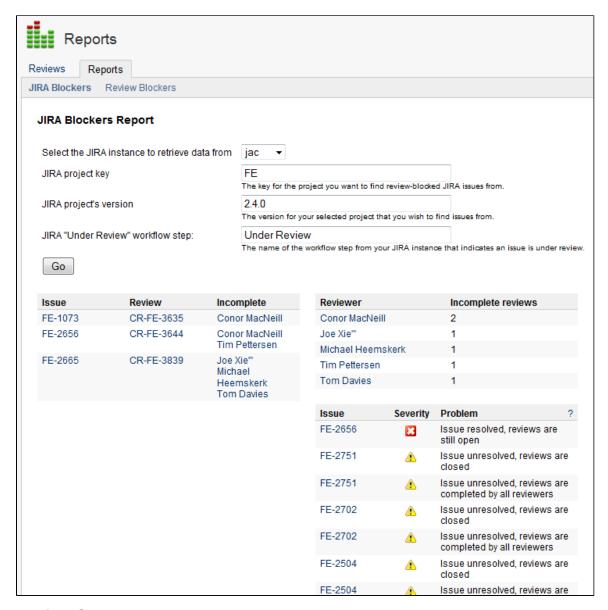
## Viewing the 'JIRA Blockers' report

The 'JIRA Blockers' report shows you a list of users whose action is required on open reviews, for a particular set of JIRA issues. The reviews must be <u>explicitly linked to a JIRA issue</u> or mention a JIRA issue key in the summary or the objectives.

## To view the 'JIRA Blockers' report:

- 1. Click the dropdown arrow next to the 'Reviews' tab at the top of the page and select 'Reports' from the dropdown menu.
- 2. Click the 'JIRA Blockers' link under the 'Reports' sub-tab.
- 3. Enter the details of your JIRA server and project, and click the 'Go' button. The 'JIRA Blockers' report will be displayed with the following information:
  - A list of JIRA issues for which one or more Crucible reviewers has not completed their review.
  - A list of users who have an incomplete Crucible review that relates to a JIRA issue.
  - A list of open JIRA issues for which a Crucible review is closed, and vice versa.

Screenshot: 'JIRA Blockers' Report



# **Review Coverage Report**

Crucible has useful reports that show you detailed statistics on review activity. The 'review coverage' report allows you to see how much of the code in your repository has been reviewed, which files and when. You can also access the reviews.

1 This feature requires FishEye integrated with Crucible.

### On this page:

- Opening the Review Coverage Report
- Using the Summary Panel
- Using the Review Coverage Overview
- Using the Individual Committer Statistics Panel
  - Using the Changesets Coverage Panel

Screenshot: The Review Coverage Report



# **Opening the Review Coverage Report**

# To open the Review Coverage Report:

- 1. Click the 'Source' tab.
- 2. Select your repository. The repository you've chosen will set the scope for the Coverage Coverage report.
- 3. If desired, navigate down the tree to the desired path you want to view coverage on.
- 4. Click the Reports tab in the secondary toolbar.
- 5. Select 'Review Coverage Report' from the list of reports in the upper panel.

• You can view coverage of any path by navigate down the tree to the desired path you want to view coverage on, before clicking on the '**Reports**' tab.

# **Using the Summary Panel**

The summary panel shows some choice metrics from your Crucible instance. The following information from your repository is arrayed:

- Overall review coverage percentage.
- Change in review coverage percentage since the last reporting period.
- Total number of reviews.
- · Total number of comments.
- Total number of reported defects.
- Total number of Lines of Code (LOC).
- Total number of commits.
- Total number of committers.
- Total number of unreviewed lines.
- Total number of lines under review.
- Total number of reviewed lines.
- A ratio of the number of lines unreviewed against reviewed Lines of Code (LOC).

Screenshot: Summary Panel in the Review Coverage Report

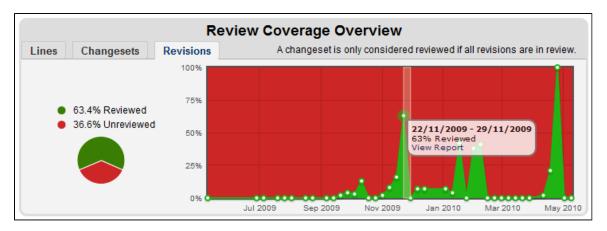


# **Using the Review Coverage Overview**

The Review Coverage Overview shows a timeline of reviews, compared against their percentage of coverage. Hover your mouse cursor over the data points on the graph to see granular information and click through to a detailed weekly report.

You can click the tabs to view the coverage expressed as a percentage of lines of code, changesets or revisions.

Screenshot: Overview Panel in the Review Coverage Report



# **Using the Individual Committer Statistics Panel**

The Individual Committer Statistics window lets you choose a user from your Crucible instance and see all the changesets by that committer.

Screenshot: Individual Committer Statistics in the Review Coverage Report

Individual Committer Stats Click an entry to view changesets only by that committer.				
Rank A	Name	Reviewed	Lines	
1st	mwatson	100%	84/84	
2nd	alyons	100%	67/67	
3rd	amyers	100%	2/2	
4th	sruiz	97%	1,140/1,178	
5th	nvenegas	82%	266/326	
6th	ahempel	61%	94/155	
7th	csharkie	91%	664/731	
8th	mquail	0%	0/154	
9th	abuttfield	79%	659/833	
10th	cmacneill	1%	2/187	
11th	gcrain	58%	408/706	
12th	tdavies	26%	306/1,182	
	All	66%	3,692/5,605	

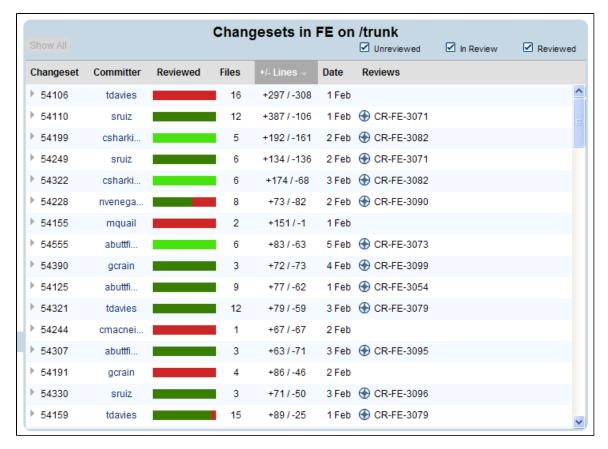
# Using the Changesets Coverage Panel

The Changesets Coverage Panel lets you see changesets from your Crucible instance (for the time period of the report), and their level of review coverage. This information can be sorted by the columns in this view and uses colour coding to denote review coverage (listed in the table below).

# **Colour Key**

Colour	State
dark green	reviewed
light green	in review
red	not reviewed

Screenshot: Changesets Coverage panel in the Review Coverage Report



# **Changeset Discussions**

When using Crucible with FishEye, you can have threaded discussions with other users, on any changeset. To start a discussion, you simply start by adding a comment to a changeset.

1 You need to be logged in to create changeset comments.

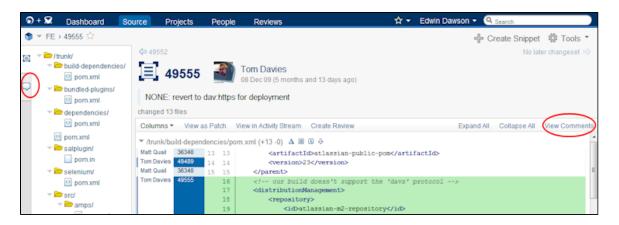
### **Adding Comments to Changesets**

### To add a comment to a changeset:

- 1. Open the changeset view for the desired code commit.
- 2. Display comments by clicking '**Discuss**' at the upper right corner, or the speech bubble icon beside the left navigation bar.
- 3. When the comment bar is visible, you can add a comment by clicking 'Add a Comment'. Type your content and click 'Post' to submit it.
- 4. You can tag your comment as a defect note by clicking the 'Defect' tick box.
- 5. Once submitted, others can respond to your comment by clicking 'Reply'. Replies are threaded as separate comment discussions. You can click on the link icon !! to save a permalink to that comment. The comment author can edit or delete their comments.
- 6. To hide the changeset comments, click the page icon . You can open the comments bar by clicking the speech bubble icon again.

As you compose a comment, it will auto-save periodically.

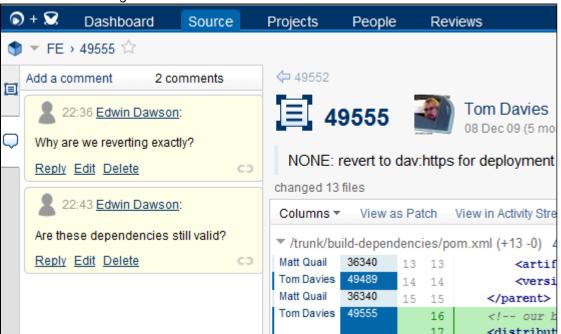
Screenshot: Opening Changeset Discussions



Screenshot: Composing a Changeset Comment



Screenshot: A Changeset Discussion



### **Turning Changeset Discussions On and Off**

You can turn off changeset discussions in the Admin screens.

Go to the Admin screen, then choose 'Repository List' from the left navigation bar. Find your repository from the list that appears, and click 'View' beside it to see the repository settings page. Scroll to the bottom of the list

and find 'Changeset Discussions'. Click 'Edit' to change the value to true or false. If set to false, changeset discussions are disabled.

By default, changeset discussions are on.

Screenshot: Enabling Changeset Comments in the Admin Screens



### **Notifications**

- · Comments show up in the activity stream,
- The author of the changeset will get email notifications when comments are added,
- Comment authors will get email notifications when someone replies to their comments.

# **Changing your User Profile**

See <u>Changing your User Profile</u> in the FishEye documentation for instructions on how to change your user profile.

# **Roles and Status Classifications**

This page explains the roles & status classifications in Crucible.

- Roles in Crucible
  - Author
  - Creator/Moderator
  - Reviewer
  - User
- Status Classifications in Crucible
  - Draft
  - Under Review
  - Summarized
  - Closed
  - Abandoned

### **Roles in Crucible**

#### **Author**

The page author does not exist.

### Creator/Moderator

The *creator* is the person who <u>creates the review</u>. In most cases this person will also act as <u>moderator</u>. The *moderator* is the person responsible for <u>creating</u> the review, <u>approving</u> the review, determining when reviewing is finished, <u>summarising</u> the outcomes and <u>closing</u> the review. By default, the moderator is the <u>creator</u>. See also <u>author</u>, the person whose changes to the code are to be reviewed.

#### Reviewer

A *reviewer* is a person assigned to <u>review the change</u>. Reviewers can make <u>comments</u> and indicate when they have <u>completed their review</u>. The <u>moderator</u> and <u>author</u> are implicitly considered to be participants of the review, but are not reviewers.

#### User

A user is a person using Crucible.

#### Status Classifications in Crucible

#### **Draft**

Draft Reviews are not yet completed or released to the reviewers.

### **Under Review**

Reviews Under Review are either waiting for attention by reviewers or waiting to be summarized.

#### **Summarized**

Summarized reviews are past the reviewing phase. The moderator can still add conclusions or comments.

### Closed

Closed reviews are complete.

#### **Abandoned**

Abandoned reviews are 'in the trash'. Reviews must be Abandoned before they can be deleted.

See also the Glossary of terms used in Crucible.

# **Conducting a Review**

This page contains links to instructions how to create a review and manage the workflow through its various states to completion. Click on the desired topic to see more information.

- Creating a Review
- Selecting the Files for the Review
- Adding Reviewers
- Issuing a Review
- Performing the Review
- Summarising and Closing the Review
- Moving a Review to Another Project
- Deleting a review

For an overview of how to apply a workflow to Crucible, see <u>Defining your Workflow</u>.

For an explanation of the different roles that people play in a review, see Roles and Status Classifications.

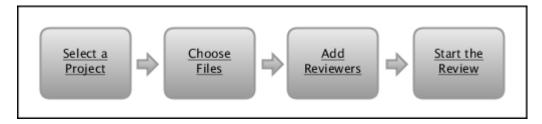
# **Creating a Review**

This page explains how to create a Crucible review.

There are a number of ways to create a review. Choose from the list below:

- Creating a Patch Review
- Creating a Review within Crucible
- Creating a review from FishEye
- Creating a review from JIRA
- Creating a Review from a URL
- Creating a Snippet Review

Whichever way you choose, the overall process looks like this:



1 Note that only people with the 'Create' permission can create a review.

# **Creating a Patch Review**

This page includes instructions on uploading patch files from your repository, how to load them into Crucible to be reviewed and use Crucible's Patch Anchoring to retrieve more lines of context from the original file.

### On this page:

- Using Crucible Patch Anchoring to Automatically Add Full Context
- Creating a Patch File From Your IDE
  - Creating a Patch File in IntelliJ IDEA 7.0
  - Creating a Patch File in Eclipse 3.3.1.1
- Creating a Basic Patch File From The Repository Command Line
  - CVS Patch Creation On The Command Line
  - Subversion Patch Creation Via The Command Line
  - Perforce Patch Creation Via The Command Line
  - Mercurial Patch Creation Via the Command Line
  - Git Patch Creation Via the Command Line
- Creating Patches That Include All Lines of Code
  - Creating a Patch in CVS With All Lines of code
  - Creating a Patch in Subversion With All Lines of Code
  - Creating a Patch in Perforce With All Lines of Code

Crucible allows you to review a change before it has been committed. To do this, you upload a patch file to the '**Patch**' tab (or paste it in as text) when <u>creating a review</u>. You must first generate this patch file from your repository, using either commands built into your IDE, or via the repository command-line tools.



To create a patch in Perforce, you must ensure you have set P4DIFF to point to a GNU-compatible diff program.

By default, patch files will only show a few lines of code surrounding each change, rather than the entire file and its changes. Crucible's patch anchoring feature overcomes this limitation.

### **Using Crucible Patch Anchoring to Automatically Add Full Context**

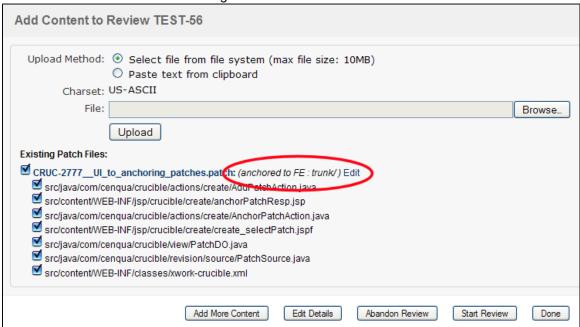
Crucible's Patch Anchoring feature allows you to add a regular patch to a review (showing only a few lines of context. Then, Crucible will automatically search for the relevant file content in the connected repositories. When it finds the files, it will seamlessly add in more context from the file so that you can view all of the lines of code (greatly enhancing the review process).

### To use patch anchoring:

1. Create a new review. From the 'Tools' menu in Crucible, select 'Create Review'.

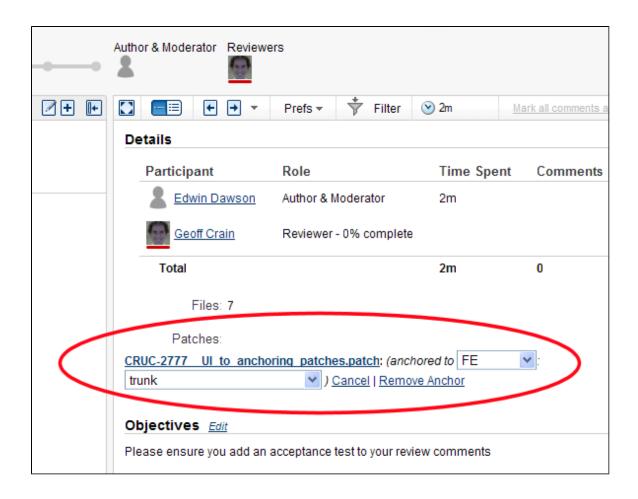
- 2. Click 'Pre-Commit Upload a patch file to be reviewed'. The 'patch upload' dialog appears. Click 'Bro wse', locate your file, then click 'Upload'. Crucible will now search for matches in the files in its database. Crucible will analyse all the paths in the patch, find the branches containing all those paths, then anchor the patch to the trunk or the branch with the most recent commit activity.
- Crucible makes a 'best guess' in its processing you should check that it has anchored the patch to the correct location in your repository.

Screenshot: Crucible Patch Anchoring

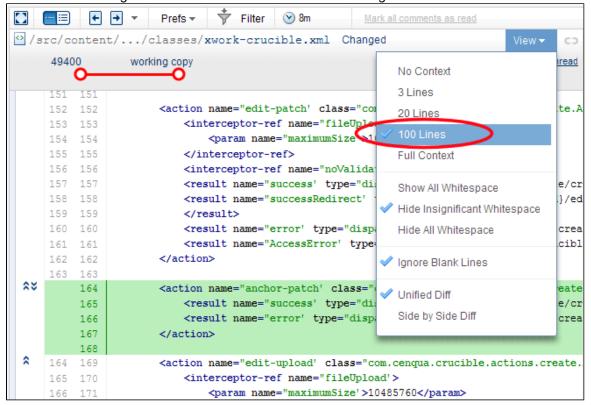


- 1. You can click 'Edit' to change the anchoring, by choosing a new match or removing the anchor. You can change the anchoring later, after the review is live.
- 2. Start the review. When viewing the diffs, you will be able to choose more than three lines of context from the 'View' menu.

Screenshot: Editing Patch Anchoring Settings



Screenshot: Viewing more than three lines with Patch Anchoring



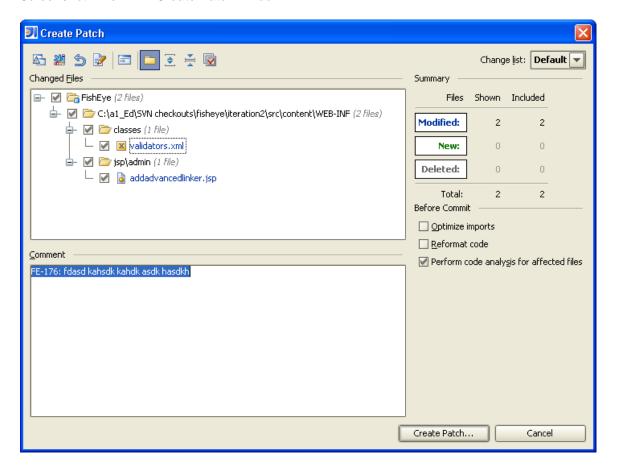
## Creating a Patch File From Your IDE

Creating a Patch File in IntelliJ IDEA 7.0

To create a Patch File under IntelliJ IDEA, do the following:

Select a parent folder, sub-folder or file that you have altered in the Project tool window. Select '**Version Control** ' > '**Create Patch**'. The following window appears:

Screenshot: The IDEA Create Patch window



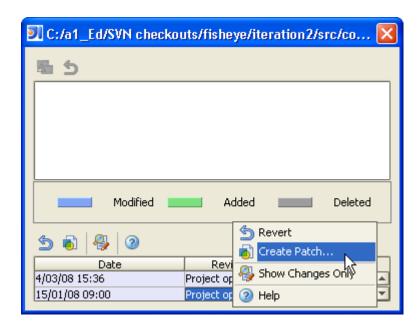
Click 'Create Patch'. Choose a location to save the patch file and click 'Ok'.

If You Do Not Have the Create Patch Command Available Under IDEA

If you have not configured version control in IDEA, you may not have the 'Create Patch' option available. If so, use the following steps to create a patch file in IDEA:

1. Select a parent folder, sub-folder or file that you have altered in the Project tool window, right-click it and choose 'Local History' > 'Show History'.

Screenshot: The IDEA Show History dialog



2. In the Local History view, right-click the revision number, and choose 'Create Patch'.

Screenshot: The IDEA Create Patch dialog



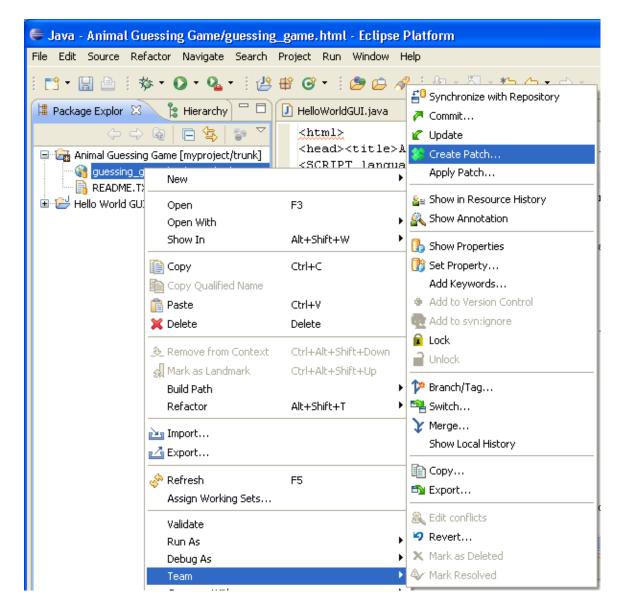
3. In the Create Patch dialog, choose a location for the patch file and a file name, then click 'OK'.

### Creating a Patch File in Eclipse 3.3.1.1

To create a patch file under Eclipse, do the following:

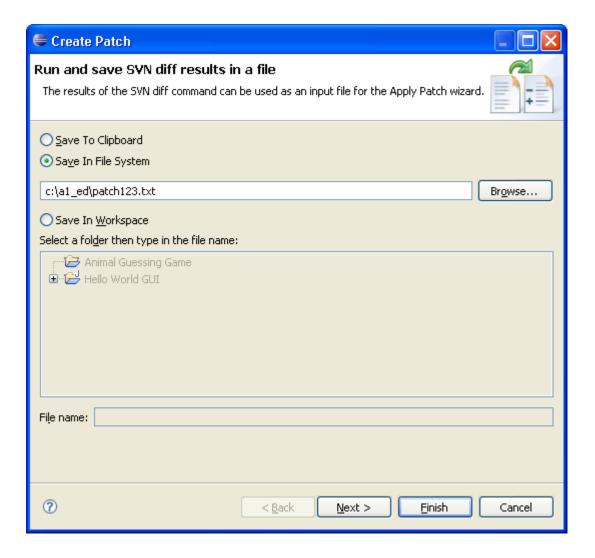
Find the parent folder, sub-folder or file that you have altered, right-click it and choose 'Team' > 'Create Patch'.

Screenshot: Instigating a Patch in Eclipse



In the Create Patch window, choose a location on your computer and type an appropriate file name (the file format is plain text).

Screenshot: The Eclipse Create Patch dialog



# Creating a Basic Patch File From The Repository Command Line

### CVS Patch Creation On The Command Line

To create a patch in CVS, use the cvs diff -Nu command from your workspace. For example:

```
cvs diff -Nu > patch.txt
```

Note that patch files created with this command will only include around three lines of code, before and after each change. It will include revision information by default, so if you have FishEye, you may be able to anchor the patch to get full context.

#### Subversion Patch Creation Via The Command Line

To create a patch in Subversion, use the svn diff command from your workspace. For example:

```
svn diff > patch.txt
```

A svn diff does not print any information about files copied in the workspace.

Note that patch files created with this command will only include around three lines of code, before and after each change. It will include revision information by default, so if you have FishEye, you may be able to anchor

the patch to get full context.

#### Perforce Patch Creation Via The Command Line

Use p4 diff -dcu to generate a patch for changed files. For example:

```
p4 diff -dcu > patch.txt
```

The "-dcu" option provides a combination of "context format" and "unified format". It provides the diff in a standard unified diff format (which we need to parse the diff) as well as revision information (which we need to anchor to FishEye).

Since Perforce diffs do not include added and deleted files so you should then do a p4 opened to find such files. For added files, in UNIX you can append them individually to the patch using GNU diff:

```
diff -u /dev/null path_to_added_file >> patch.txt
```

In the example above, replace path\_to\_added\_file with the actual path of your added file. You can follow a similar procedure with deleted files using p4 print to extract the previous version of the file.

Note that patch files created with this command will only include around three lines of code, before and after each change. It will include revision information by default, so if you have FishEye, you may be able to anchor the patch to get full context.

#### Mercurial Patch Creation Via the Command Line

Use hg diff to generate a patch for changed files. For example:

```
hg diff > patch.txt
```

This will include 3 lines of context. It will also include revision information, so if you have FishEye, you may be able to anchor the patch to get full context.

Note: if you use git style diffs (--git), the revision information will not be provided. This means that we cannot anchor the patch to a FishEye repository.

### Git Patch Creation Via the Command Line

Use git diff to generate a patch for changed files. For example:

```
git diff > patch.txt
```

This will include 3 lines of context. It will also include revision information, so if you have FishEye, you may be able to anchor the patch to get full context.

### **Creating Patches That Include All Lines of Code**

To create a patch file that shows all lines of code as well as the changes, use the following commands from your repository command-line tools.

### Creating a Patch in CVS With All Lines of code

To create a CVS patch that shows all code (not just the changes and surrounding code), use this command:

```
cvs diff -N -U 10000 > patch.txt
```

i The '10000' number refers to the number of code lines included in the patch, before and after each change. 'Patch.txt' represents your desired name for the new patch file.

### Creating a Patch in Subversion With All Lines of Code

To create a patch in Subversion that shows all code (not just the changes and surrounding code), use this command:

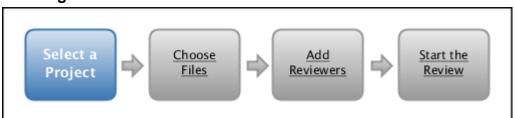
```
svn diff --diff-cmd diff -x "-U 10000" > patch.txt
```

- The in-built diff feature in svn diff does not support specifying lines of context, so you must tell Subversion to use an external diff command.
- The second "diff" in the command above needs to be the name of your external diff command. You might need to specify the full path to that command, such as /usr/bin/diff.
- On the Windows platform, you may need a Unix-like emulator such as <u>Cygwin</u>, and install the optional diff command for that.

### Creating a Patch in Perforce With All Lines of Code

⚠ Unfortunately, Perforce does not directly support creating patches that include all lines of code. A workaround is to checkout 'before' and 'after' versions of the file, and use GNU Diff to create a patch between the two files. That file could then be loaded into a Crucible review.

## Creating a Review within Crucible



This page explains how to create a review from the Crucible interface.

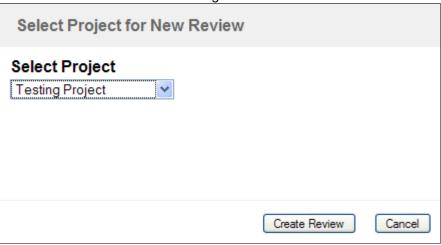
## On this page:

- Create a new review
- Choose where your review files will come from
- Add content to the review
- Edit the review details
- Adding an entire directory's contents to a Crucible review

### Create a new review

Within Crucible, create a review by opening the **Tools** menu at the top right of the Reviews screen, then clicking **Create Review**. You will be prompted to select the Project for the review (if you have multiple projects). Choose a project and click '**Create Review**'.

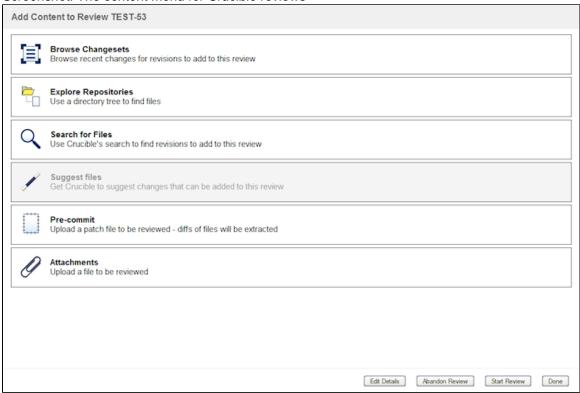
Screenshot: The create review dialog



#### Choose where your review files will come from

The 'Add Content to Review' screen appears, where you will now be prompted to choose where your review files will come from. Choose one of the options by clicking. See <u>Selecting the Files for the Review</u> for details.

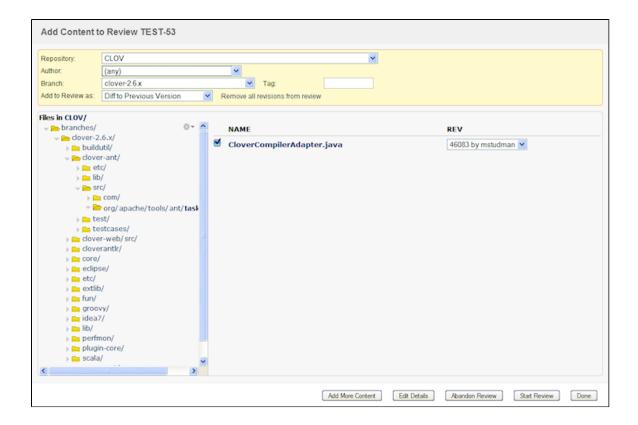
Screenshot: The content menu for Crucible reviews



#### Add content to the review

Once you select where your review files are coming from, you are prompted to select the files to be reviewed. Check the boxes next to any files you want to add.

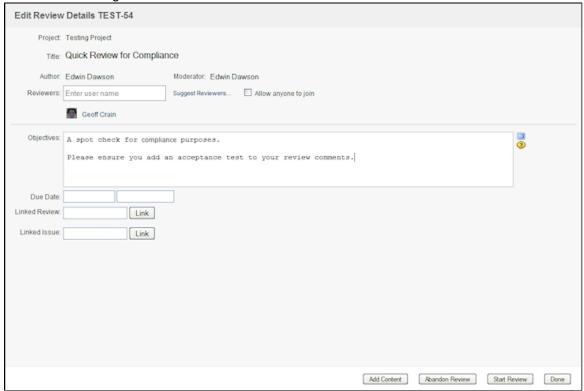
Screenshot: Adding content to your review



#### Edit the review details

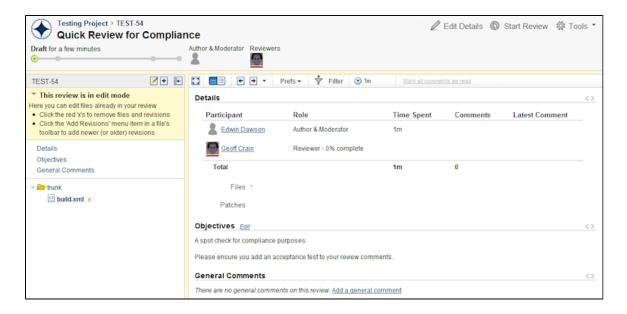
Once you have selected the files, click **Done** to go to the **Edit Review Details** screen, as shown below.

Screenshot: Editing review details



On the **Edit Review Details** screen, you can choose a title, reviewers, objectives, due date, linked reviews and issues. Once you're finished, click '**Done**'.

Screenshot: Editing review details



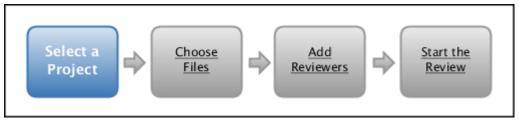
The review will open in a preview form. Here, you can check all the details and click to edit any that aren't correct. Once you click **Start Review**, the review is live.

### Adding an entire directory's contents to a Crucible review

To add an entire directory's contents to a Crucible review, you will need to search to find all the files. For example, using "select revisions from dir /some/dir where is head", or similar logic.

1 It is currently not possible in Crucible to add all the contents of a directory to a review with one click.

# Creating a review from FishEye



This page explains how to create a Crucible review from FishEye.

### On this page:

- 1. Open the FishEye Source view
- 2. Start the review
- 3. Choose a project

### 1. Open the FishEye Source view

To begin, the code author sets up the review. There are other ways to do this, but for this example, the author starts from the FishEye Source view of the file he or she wants to have reviewed.

# To navigate to the Source view for a file:

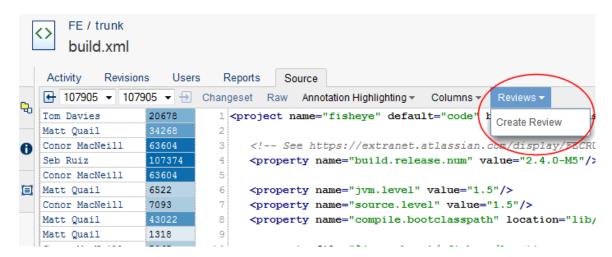
- 1. On the **Source** tab, click the name for a repository.
- 2. Click the name of the file to be reviewed.
- 3. Click the Source sub-tab.

#### 2. Start the review

#### To start the review:

• From the FishEye Source view, choose Reviews > Create Review.

Screenshot: Opening a review from the FishEye Source view

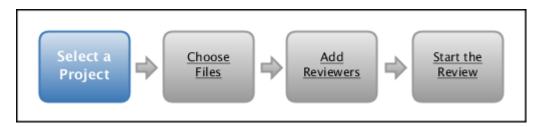


### 3. Choose a project

In the Edit Review Details dialog, choose the project for this review, and add reviewers. Now click Start Review.



# Creating a review from JIRA



This page describes how to create a Crucible review directly from an issue in <u>JIRA</u>, the Atlassian issue-tracking application.

JIRA must be integrated with Crucible before you can do this. See <u>JIRA Integration in Crucible</u> for information on how to set this up.

#### To create a review from within JIRA:

- 1. Go to the issue in JIRA that relates to the work to be reviewed.
- 2. Under 'Activity', click the **Source** tab.
- 3. Either:
  - a. Click the '+' icon to the right of a changeset to create a new review for that changeset.
  - b. Click Create crucible review to create a review for all the changesets in the list.
- 4. If a similar review already exists, you can add the changesets to that; otherwise click Create New Review
- 5. In edit mode for a review:

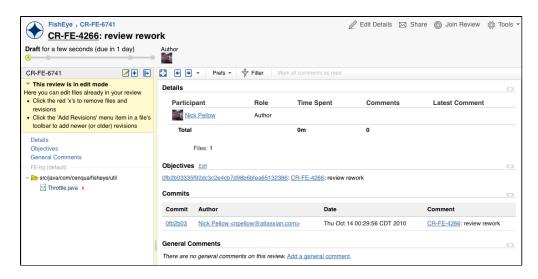
- The content of the changeset becomes the content (i.e. files) to be reviewed.
- The author of the changeset becomes the <u>author</u> of the review, if Crucible is aware of this user. Otherwise the <u>creator</u> of the review becomes the author.
- The <u>creator</u> of the review becomes the <u>moderator</u>.
- The commit log message is used as both the Title and <u>Statement of Objective</u>.
- Choose Tools > Start Review when you are ready.

The next step is to add reviewers.

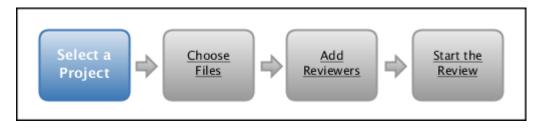
Screenshot: Adding a review from within JIRA



### Screenshot: Review edit mode in Crucible



# Creating a Review from a URL



You can set up a URL which you can then click to create a Crucible review.

The format of your URL is as follows:

http://localhost:8060/cru/create?csid=%2F%2F&repo=a%2F1234&csid=%2F%2Frepob%2F7583

The parameters are as follows:

Parameter	Description	Required?
csid	The changeset ID. You can specify one or more, of the form //repo/csid (where '%2F' is the URL-encoded form of is '/')	Yes
repo	The name of your repository.	Yes (unless supplied in the csid)
title	The title of your new Crucible review.	No
description	The description of your new Crucible review.	No

When you click the URL, you will be prompted to select the relevant <u>projects</u> if more than one project exists) in which to create your review. A new draft review will then be created, including the following information:

- The content of the changeset becomes the content (i.e. files) to be reviewed.
- The author of the changeset becomes the <u>author</u> of the review, if Crucible is aware of this user. Otherwise the creator of the review becomes the author.
- The <u>creator</u> of the review becomes the <u>moderator</u>.
- The commit log message is used as both the Title (unless you have explicitly defined a title in your URL) and <u>Statement of Objective</u>.

All aspects of the review can be changed. To edit any of the above settings, click the title to see the 'Edit details ' screen. Or you can click the Manage Files tab.

The next step is to add reviewers.

# **Creating a Snippet Review**

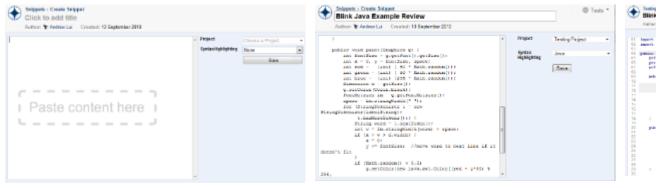
This page explains how to create a simple code review using the Crucible Snippet Review feature. Snippet Reviews are designed to be lightweight ad-hoc code reviews.

To create a snippet review:

- 1. Copy the code to be reviewed from the source to your system clipboard.
- 2. Click Create Snippet in the Crucible toolbar.
- 3. Enter details for the snippet review:
  - Paste the code into the panel, where indicated.
  - Click on **Click to add title** near the top to enter a title for your review. If you don't specify a title, one will be automatically created for you.
  - Select a project from **Project**.
  - Select a programming language from Syntax Highlighting.
- 4. Click Save to create the snippet review.

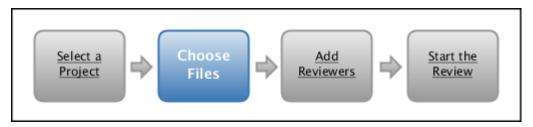
- 5. Invite anyone that you want to participate in the snippet review by sending them the link to the review. The link is the review key, just above the review title. Anyone who is allowed to view the snippet is allowed to comment on it, and can close it.
- 6. Click **Reply** on any comments to respond.
- 7. Choose fro the **Tools** menu to either close or delete the snippet review. Anyone can re-open, re-review or close snippet reviews. However, only the creator of a snippet review can delete it.

Screenshots: Creating a Snippet Review (click to view larger images)



Step 1 Step 2

# Selecting the Files for the Review



This page explains how to select files/changesets that will be included in a Crucible review.

### On this page:

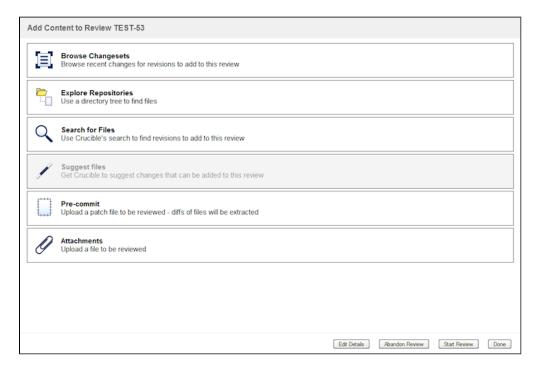
- Selecting Changesets for Review
- Selecting Files for Review by Exploring Repositories
- Selecting Files for Review using the Crucible Search
- Using the Suggestions Feature When Adding Files to a Review
- Adding Pre-commit Patch Files to a Review
- Adding Attachments to a Review

### To add content to a review:

- 1. Log in to FishEye/Crucible and either;
  - Create a review, as described on Creating a Review, or
  - Open an existing review, which you are the <u>creator</u> or <u>moderator</u> of, and click the Add Content (±) button.
- 2. The 'Add Content to Review' dialogue will be displayed (see screenshot below). Select the method you want to use, to find the content for your review:
  - 'Browse Changesets' Allows you to choose changesets from a Source Code Management (SCM) repository to add to a review. See <u>Selecting Changesets for Review</u>.
  - 'Explore Repositories' Allows you to browse for files from a Source Code Management (SCM) repository to add to a review. This option only appears when FishEye is installed. See <u>Selecting Files for Review using by Exploring Repositories</u>.
  - 'Search for Files' Allows you to search a Source Code Management (SCM) repository for files

- or changesets to add to a review. This option only appears when FishEye is installed. See <u>Selecting Files for Review using the Crucible Search</u>.
- 'Suggest Files' Analyses the list of files in the current review and makes suggestions based on certain logic (for example, suggesting a newer version of a file if one exists). This option only appears when FishEye is installed. See <u>Using the Suggestions Feature When Adding Files to a</u> <u>Review</u>.
- 'Pre-commit' Allows you to upload patch files to a review. See Adding Pre-commit Patch Files to a Review.
- 'Attachments' Allows you to upload any file to a review, including binary files and files outside
  of a Source Code Management (SCM) repository. See <u>Adding Attachments to a Review</u>.
- 3. Follow the appropriate instructions in the sections below to add content to your review.
- 4. Click the 'Done' button to finish adding content to the review.

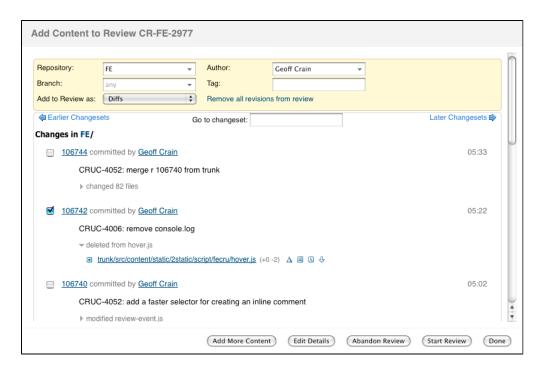
Screenshot: The Add Content menu for Crucible reviews



# **Selecting Changesets for Review**

Click the 'Browse Changesets' option on the 'Add Content' dialogue to add changesets to your review.

Screenshot: The Browse Changesets View in the Add Content dialogue



By default, Crucible presents a list of the author's changesets in reverse chronological order. You can see other changesets by changing the options at the top of the screen.

Click the checkbox next to a changeset ID to add the entire changeset. Note,

- You cannot add individual file revisions to a review, although you can remove them once the changeset is added. Click 'Remove all revisions from review' to remove all.
- You cannot add changesets that are entirely synprops changes (i.e. it has no non-metadata changes).
   For details, see <u>How do I force reviews to include SVN property changes?</u>

### Options for adding changesets:

- 'Repository' This is a list of the repositories that contain the files that can be reviewed. If the repository
  you require is not in the list then it has not been added to FishEye. Please contact your Crucible/FishEye
  administrator.
- 'Author' This contains a list of all the <u>authors</u> who have made changes within the repository. When
  creating a review, this will default if possible to the username of the user authoring this review and will
  therefore show their changesets.
- 'Branch' This will only show files and recent changes on that branch from the repository set above.
- 'Tag' This will only show files and recent changes tagged.
- 'Add to Review As' Choose the form of the review. See Choosing the way files are added to the review below.
- 'Go to Changeset' Allows you to jump to a particular change set by entering its title and pressing Enter.

# Choosing the way files are added to the review:

When adding files to a review, you can set the form of review taking place in the 'Add to Review as' drop-down menu:

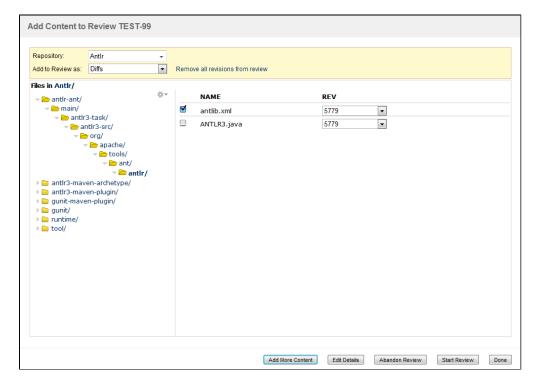
- 'Whole Files' Adds the entire file with all content, rather than just a diff with context.
- 'Diffs' This is the default behaviour. This allows you to add multiple revisions of a file to one review and compare them in-review, in context with the change history.
- 'Diffs to Last Reviewed Version' This adds files with a diff to the last reviewed changeset.
- 'Diffs to... (a particular revision)' This allows you to specify the file to show the differences between two specific versions of a file.
- 'Diffs to Last Branch Point' This adds files with a diff to the revision each file was last branched.

Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

## Selecting Files for Review by Exploring Repositories

Click the 'Explore Repositories' option on the 'Add Content' dialogue to browse repositories for files to add to your review.

Screenshot: Browsing for files to add to a review



- To find a file, browse the folders by clicking the relevant folder. The folders by default are sorted by path name but can sorted by last-commit or first-commit.
- To choose a file for reviewing, click the checkbox to the left of the filename and if required the revision number.
- To select a particular revision of a file, open the revision number list and select the option "Load Full History...". This will refresh the available options in the list.
  - Please note the following information when browsing files to add to a review:
    - Empty folders will be greyed out.
    - If the folders contain empty folders then a toggle option called 'Hide Empty' will appear under the 'Sort' options.
    - To see or ignore deleted files, you can click the 'Hide' and 'Show' options located above the file names on the left.

## Choosing the way files are added to the review:

When adding files to a review, you can set the form of review taking place in the 'Add to Review as' drop-down menu:

- 'Whole Files' Adds the entire file with all content, rather than just a diff with context.
- 'Diffs' This is the default behaviour. This allows you to add multiple revisions of a file to one review and compare them in-review, in context with the change history.
- 'Diffs to Last Reviewed Version' This adds files with a diff to the last reviewed changeset.
- 'Diffs to... (a particular revision)' This allows you to specify the file to show the differences between two specific versions of a file.

'Diffs to Last Branch Point' — This adds files with a diff to the revision each file was last branched.

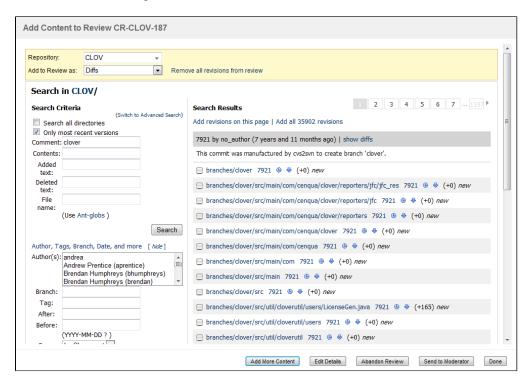
Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

### Selecting Files for Review using the Crucible Search

Click the 'Search for Files' option on the 'Add Content' dialogue to use the Crucible search to find files to add to your review.

A The 'Search' view is only available when using FishEve with Crucible.

Screenshot: Searching for files to add to a review



If you are not certain about which changesets/revisions/files to include in a review, use the Search view to find them. Adjust the search filters to find the files you need. If the simple filters are not enough, read about <u>EyeQL</u> <u>queries</u> in the FishEye documentation.

Read the FishEye documentation for more information about the searching your repositories.

### Choosing the way files are added to the review:

When adding files to a review, you can set the form of review taking place in the 'Add to Review as' drop-down menu:

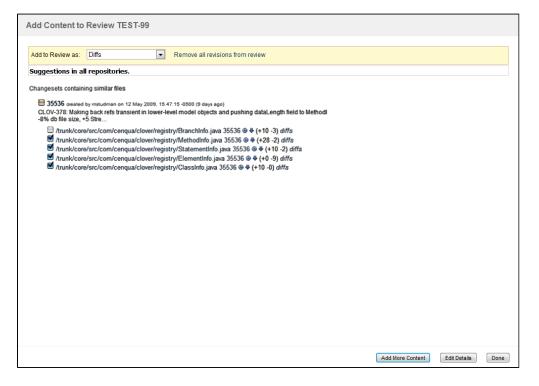
- 'Whole Files' Adds the entire file with all content, rather than just a diff with context.
- 'Diffs' This is the default behaviour. This allows you to add multiple revisions of a file to one review and compare them in-review, in context with the change history.
- 'Diffs to Last Reviewed Version' This adds files with a diff to the last reviewed changeset.
- 'Diffs to... (a particular revision)' This allows you to specify the file to show the differences between two specific versions of a file.
- 'Diffs to Last Branch Point' This adds files with a diff to the revision each file was last branched.

Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

## Using the Suggestions Feature When Adding Files to a Review

Click the 'Suggest Files' option on the 'Add Content' dialogue to view and add files suggested by Crucible to your review. You need to have already added some file(s) to review for Crucible to suggest additional files.

Images: Viewing and adding file suggestions to a review



Crucible can make intelligent suggestions when you are creating a review. The Suggestions feature logic is based around the following:

- Most recent versions: If a newer version of a file exists, Crucible will suggest that you add it to the
  review.
- **Similar files:** Files with a similar filename may be of relevance to your review; Crucible will show them to you.

# Choosing the way files are added to the review:

When adding files to a review, you can set the form of review taking place in the 'Add to Review as' drop-down menu:

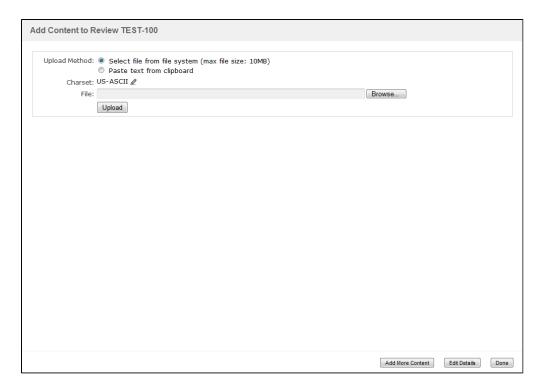
- 'Whole Files' Adds the entire file with all content, rather than just a diff with context.
- 'Diffs' This is the default behaviour. This allows you to add multiple revisions of a file to one review and compare them in-review, in context with the change history.
- 'Diffs to Last Reviewed Version' This adds files with a diff to the last reviewed changeset.
- 'Diffs to... (a particular revision)' This allows you to specify the file to show the differences between two specific versions of a file.
- 'Diffs to Last Branch Point' This adds files with a diff to the revision each file was last branched.

Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

# Adding Pre-commit Patch Files to a Review

Click the 'Pre-commit' option on the 'Add Content' dialogue to add pre-commit patch files to your review.

Screenshot: Adding pre-commit patch files to a review



For a full explanation of the 'Patch View' functions, read about creating a patch review.

Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

### Adding Attachments to a Review

Click the 'Attachments' option on the 'Add Content' dialogue to add attachments to your review.

Screenshot: Adding attachments to a review



You can upload additional files to be used in the review, including binary files, images or code files that are not stored in a version control repository. The '**Upload**' view contains various controls to help you do this. These are listed below.

Choose the 'Upload Method' as either 'Select file from the file system' or 'Paste text from clipboard':

- Displays if 'Upload method' is 'Select file from the file system':
  - 'Character Set' (if any) Click the edit icon (∠) to choose the character set being used. 'US-AS
     CII ' is the default.
  - 'File' Click 'Browse' to find the file that you want to add to the review.
- Displays if 'Upload method' is 'Paste text from clipboard':
  - 'Patch text' Paste your copied text in this text area.

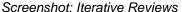
Click the 'Upload' button, when you have made your selection. Once complete, a list of uploaded files is

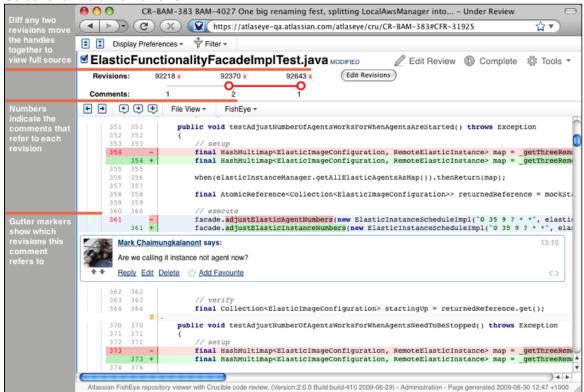
displayed at the bottom of the screen. To add another iteration of a file, make changes to the file and upload it again with the same filename. It will be added as a new version.

Click the '**Done**' button once you have finished selecting the desired files. The files will be added to your review and your review will be displayed.

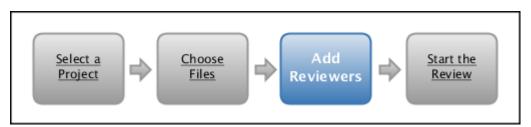
### **Iterative Reviews**

Crucible allows you to review several revisions of a file within one review, seamlessly switching between them. Comments are linked and relative to a specific revision. This allows you to review every change that has occurred on a code file within a given period of time. This lets you see the evolution of the file through various revisions (within one Crucible review).





# **Adding Reviewers**



This page explains how to add reviewers to a new review, after it has been created. See <u>Creating a Review</u> for information about creating reviews.

### On this page:

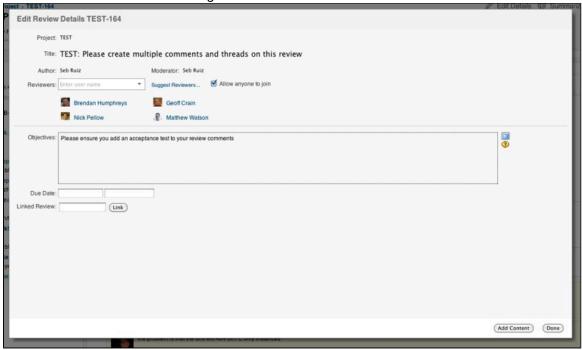
- Entering Basic Information
- Adding Reviewers
  - Adding Users to a Review
  - Crucible Suggests Reviewers
  - Inviting Non-Registered Users to the Review
  - Checking the Draft and Starting the Review

### Next Steps

### **Entering Basic Information**

Once a review has been created, the Edit Review dialog opens.

Screenshot: The Edit Review dialog



In the Edit Review dialog, the author enters information needed for the review. This includes entering a title and description for the review, a due date and the key for a related JIRA issue (if any). The project, moderator and author are pre-selected (for this example, the author should select himself as a moderator.

You must also select reviewers.

### **Adding Reviewers**

Before a review can be issued to reviewers, you must decide who can review it. When adding reviewers, you can add registered users immediately. The usernames will auto-complete, showing partial matches before you finish typing. You can quickly select one of the matches shown with the keyboard arrow keys, pressing Enter or Tab to add them to the review.

In addition, you can easily invite external users who do not yet have accounts in Crucible to take part by typing their email address into the **Reviewers** field.

### Adding Users to a Review

Select users by typing names into the text field under **Reviewers**. Crucible will show a list of matches. Press Enter to select one after each entry.

Clicking the 'Save' button will save the review as a draft for later issue.

You can also decide to allow any registered user to add themselves as a reviewer in the review. To enable this option, put a check next to 'Allow anyone to join'.

### **Crucible Suggests Reviewers**

Crucible will automatically suggest reviewers, by analysing the users that have contributed to the files you've selected and also don't have a lot of open reviews. You can easily pick reviewers from the list of suggestions by

clicking.

#### Inviting Non-Registered Users to the Review

You can invite users who don't have a Crucible account to join a review.

There are two prerequisites:

- 1. FishEye's SMTP server must be configured and capable of sending email.
- 2. The setting 'Built-in Public Sign-up' must be set to 'ON'. This setting can be accessed by opening the 'A dmin Menu', then clicking 'Security' under 'Global Settings' on the left navigation bar.

#### To invite an external user to a review:

- a. Create a new review.
- b. On the 'Create New Review' screen, simply type the user's email address into the 'Reviewers' field, then press Enter to select.
- c. Click Save to save the draft review. The users are not sent any information at this time.
- d. When you click 'Start Review', this is when all email invites and notifications are sent out.
- e. The external user will receive an email address from the Crucible server, containing a special URL that they can visit.
- f. When the user loads the URL they received via email, they are taken to a special Crucible log in screen. On this screen, the user can create a new account that will be linked to the current email address. (If they already have a Crucible account under another address, they can simply sign-in with that username and password.)
- g. When the user has successfully created a Crucible account, they will be able to access the review(s) associated with their email address and take part.

1 You can enter multiple addresses separated by commas, allowing you to paste in a list of email addresses from your favourite email application.

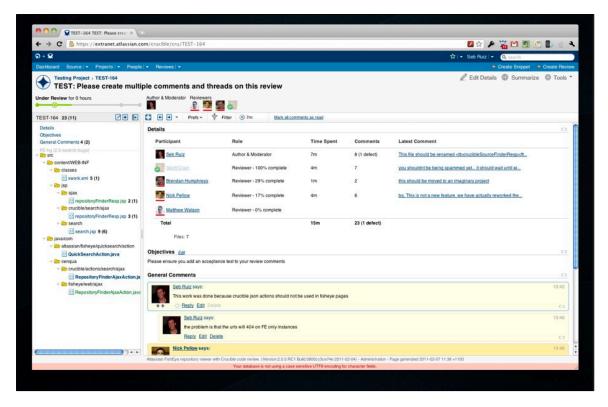
When finished, the author clicks 'Save'. The review will now be created in a draft form.

### Checking the Draft and Starting the Review

The draft review opens. In the draft stage, the author can check the contents of the review files to ensure they are correct and put in any notes for reviewers as comments. During the draft phase, no notification email is sent out to reviewers. Once the author is finished with the draft phase, he clicks 'Start Review'.

The review will now be started and notification email will go out to all participants. Crucible will now send out an email notification to all the participants. This lets them know that the review is under way and prompts them to take action, providing a URL for direct access to the review. (You can also subscribe to an RSS feed.)

Screenshot: A newly created Crucible review

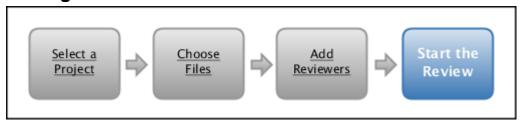


#### **Next Steps**

You can now begin Performing the Review.

If you have a moderator controlling your review process, you can move onto <u>Issuing a Review</u>.

# **Issuing a Review**



This page contains information about starting a review in Crucible.

### On this page:

- Starting a review
- Editing review details once started

### Starting a review

Issuing a review simply means formally starting it and inviting people to take part.

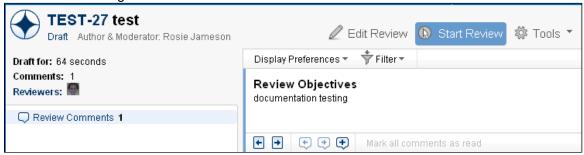
Once you have <u>selected the reviewers</u>, the next stage is to notify the <u>reviewers</u> and the <u>author</u> (if different to the <u>moderator</u>) that they can start reviewing. The review has been in 'Draft' <u>state</u> until this point. Only the moderator has the permission to start a review.

### To start the review:

- If you are the moderator of the review, click the 'Start Review' button. Or;
- If you are not the moderator of your review, click 'Send to Moderator'. This changes the <u>state</u> to 'Require Approval' and notifies the moderator. The moderator can change any aspect of the review before starting it.

Once the review has been started, the review state becomes 'Under Review'.

Screenshot: Starting a Review



1 Note that only people with the 'Approve' permission can start a review.

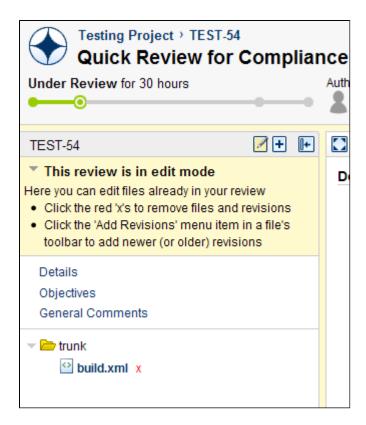
### Editing review details once started

You can edit the details of a review at any time by simply clicking the 'Edit Review' button in the left navigation bar to launch 'Edit Mode'. In Edit mode, you can quickly click red cross icons to remove files from the review. A single click returns you to regular Crucible functions, so you can more easily tune the content inside your reviews. Another button opens a dialog for rapidly adding more content to the review.

Screenshot: Launching Edit Mode



Screenshot: Crucible Edit Mode for Review Content



# **Performing the Review**

This page describes how to find and manage the Crucible reviews that relate to you.

### On this page:

- Browse Your Reviews Under the 'Dashboard' Tab
- Browse All Reviews Under the 'Reviews' Tab
- When Files Change During a Review
- Next Steps

# 1 Deciding what needs to be reviewed

The 'Statement of Objective' is a brief description of what the review is intended to achieve. Crucible does not dictate how or what to review. It simply provides a mechanism to record comments.

#### Browse Your Reviews Under the 'Dashboard' Tab

When you first load Crucible, the '**Dashboard**' screen will load, which shows your current reviews and other activity related to you.

Use the Crucible 'Dashboard' to manage your reviews. Read the overview on filtering your view.

Active reviews are listed on each <u>reviewer</u>'s dashboard under the default '**To Review**' filter. Reviews are listed under '**Out for Review**' until all reviewers indicate they are complete. Then the reviews move to the '**To Summarize**' list.

Read more about using the <u>Dashboard tab</u>.

### Browse All Reviews Under the 'Reviews' Tab

All reviews that involve you in any role are listed when you click 'Open' or 'Closed' in the left navigation bar. For instance, use the 'My Reviews' --> 'Open' filter to locate a review that doesn't require further action from you, but

is still under way.

If email notifications are enabled (see <u>SMTP settings</u> in the FishEye documentation), reviewers will receive an email with information about the review. Click the link within the email to go directly to the review.

### When Files Change During a Review

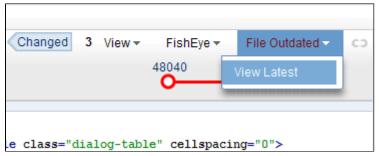
If a file in the repository changes during a review, Crucible will visually alert you by showing the 'File Outdated' menu:

Screenshot: Visual Cue for Updated Repository Files



From the 'File Outdated' menu, you can choose to view the latest revision of the updated file, or add the latest revision to the review:

Screenshot: 'File Outdated' menu



### **Next Steps**

- Adding Comments
- Flagging Defects
- Completing your Review
- Sending a Review's Comments via Email
- Using JIRA Integration in Crucible Reviews
- Using the Review History Dialog
- Tracking Crucible Review Metrics

### **Adding Comments**

Comments can be added at the level of a review, revision, or line. You can also reply to a comment.

### On this page:

- Locating existing comments
- Adding a Comment
- Draft Comments

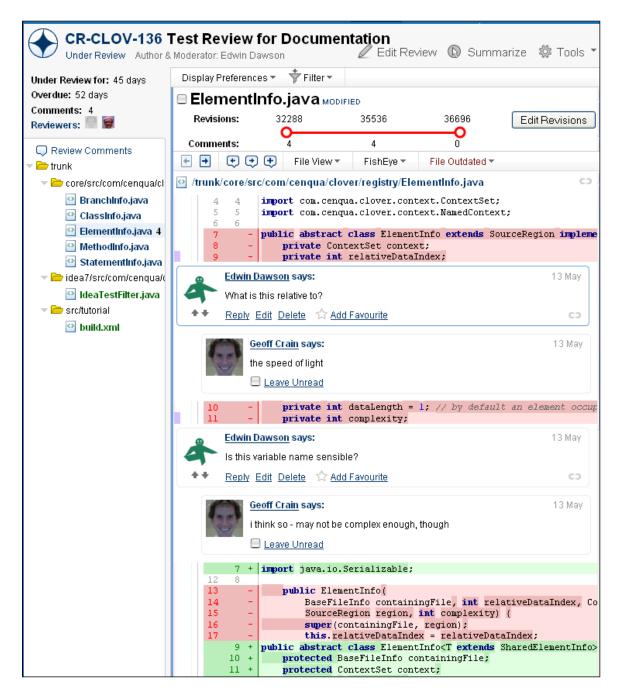
#### Locating existing comments

The number shown next to a filename, in the left-hand column of the screen, indicates the number of comments

that apply to that file.

(The number of unread comments, if there are any, is shown in brackets.)

### Screenshot: Comments

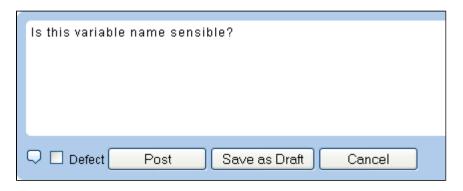


### **Adding a Comment**

- To add a comment that applies to the whole review, select the 'Review Comments' line in the left-hand navigation panel, then click the following icon:
- To add a comment that applies to a revision/change, select the filename in the left-hand navigation panel, then click the following icon:
- To add a source-level comment, expand the source view then click a line of code. You can click and drag
  to select multiple lines from one revision or diff, or click individual lines to select/deselect them. The
  comment will appear in the source at the last line selected. Hover over the comment to highlight the
  selected lines.
  - To select text on the page without adding a comment, hold down the Alt button while dragging the cursor.

- To reply to a comment, click the 'Reply' link at the bottom of the comment.
- A Only people with the 'Comment' permission can add comments.
- 1 Read about flagging defects too.

Screenshot: Adding a Comment



#### **Draft Comments**

You can save your comment as a draft and then edit it later. When you <u>complete the review</u>, you will be prompted to post, discard or edit any remaining draft comments.

Screenshot: Draft comments

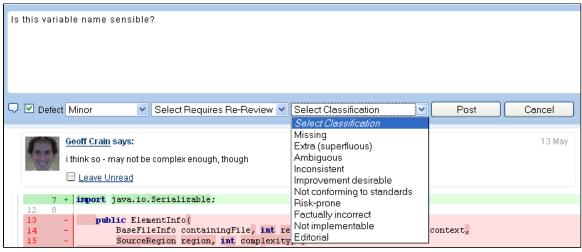


# **Flagging Defects**

<u>Comments</u> in Crucible can be used to flag a **defect** in the code under review.

to do this, simply tick the 'Defect' box when adding a comment and select a category from the drop-down list.

#### Screenshot: Defects



You may want to mark comments as defects to associate defect classifications, or simply to highlight to the <u>auth</u> <u>or</u> or <u>moderator</u> that the issue you raised in your comment requires attention.

- **(i)** Crucible intentionally does not mandate how defects are to be used. The Crucible administrator can <u>customis</u> e the defect classifications.
- 1 You can only use the defect classifications on comments that are not a reply to an existing comment.

# **Completing your Review**

Once each <u>reviewer</u> has added <u>comments</u> to the review and has nothing further to add, the next step is to **Comp lete** their individual review.

To complete your individual review, go to the review and click the '**Complete**' button at the right of the screen, next to the '**Tools**' menu:

Screenshot: The Complete Button



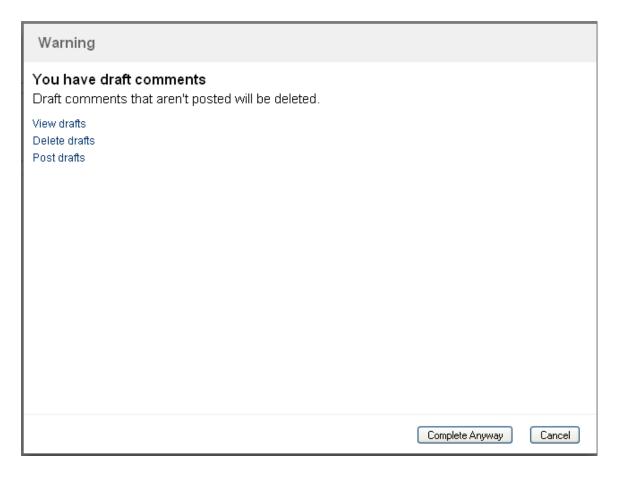
1 Only people with the 'Complete' permission can complete a review.

This notifies the moderator (via email if configured) that you have completed your review.

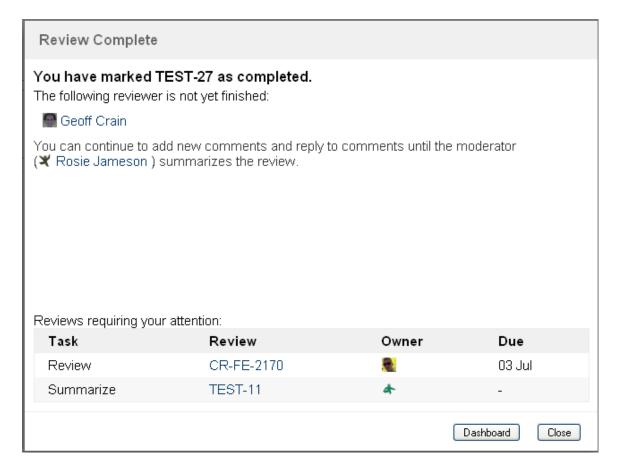
Reviewers can still continue to add comments until the moderator <u>summarises</u> the review. The moderator does **not** have to wait for all reviewers to complete their individual reviews before summarising.

If you have any draft <u>comments</u>, you will be prompted to post/discard/edit any comments before completing the review.

#### Screenshot: Draft comments



Screenshot: Review complete



# Sending a Review's Comments via Email

You can send all of the comments from a review to anyone you want via email. You may wish to do this to allow a person outside the review to quickly scan the content of the comments, or oversee the review activity. Alternatively, you may wish to send all participants this information to let them read the current status of the review and its comments in full.

# Sending a Review's Comments via Email

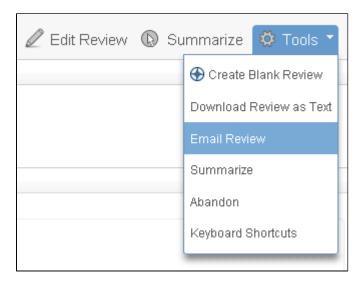
Before you begin:

- Users that are not logged in cannot send email, but instead can view the text content of the review's comments by clicking the 'View Text' option which will appear instead of 'Email Review'.
- Emails of reviews are only sent in plain text, not HTML. HTML emails are only available via watches.

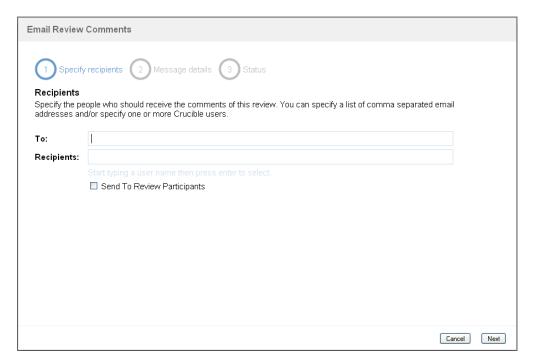
#### To send all of a review's comments via email:

- 1. In Crucible, navigate to the review in question.
- 2. From the 'Tools' menu, select 'Email Review' (see Screenshot 1 below).
- 3. The 'Recipients' page appears (see Screenshot 2 below). On that page:
- 4. In the 'To:' field you can enter multiple email addresses, separated by commas.
- In the 'Recipients:' field, you can type usernames from your Crucible instance to add them to the
  distribution list. You can also simply tick the 'Send to Review Participants' check-box to include all of the
  review's reviewers.
- 6. When you have finished the distribution list, click the 'Next' button.
- 7. The 'Recipients' page appears (see Screenshot 3 below). On that page:
- 8. In the 'To:' field you can enter multiple email addresses, separated by commas.
- 9. When you have finished your message, click the 'Send' button.
- 10. The 'Status' page appears (see Screenshot 4 below), confirming that your email has been sent

Screenshot 1: The 'Email Review' option in Crucible



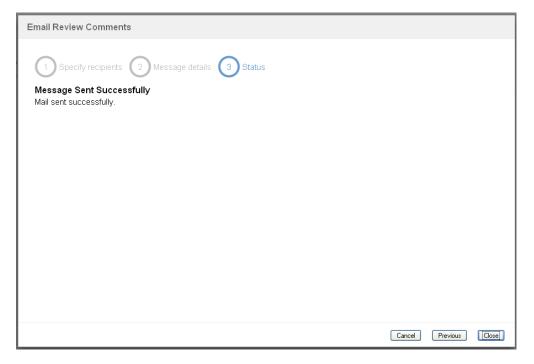
Screenshot 2: The 'Recipients' Screen in Crucible



Screenshot 3: The 'Message' Screen in Crucible



Screenshot 4: The Email Confirmation Screen in Crucible



# **Using JIRA Integration in Crucible Reviews**

This page contains information on how to use JIRA integration with Crucible reviews.

### On this page:

- 1. Create a JIRA Issue for your Review
- 2. Create Your Review and Link it to a JIRA Issue
- 3. Make a Comment or Defect on the Review
- 4. Click to create a JIRA Sub-Task
- 5. Resolve the JIRA issue through Crucible

integration features. The Crucible project requires a linked JIRA project before issues can be linked to reviews.

#### Read more.

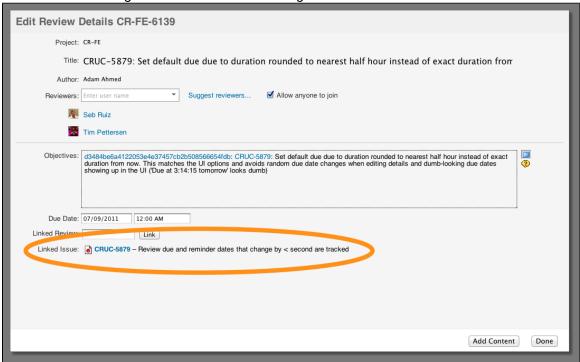
#### 1. Create a JIRA Issue for your Review

To use JIRA integration, you must begin with a JIRA issue that you will use as the parent issue for the review. Crucible will create and resolve sub-tasks belonging to this parent issue. Once your parent issue is created, make a note of its issue key, e.g. FE-1968.

#### 2. Create Your Review and Link it to a JIRA Issue

When creating your review, you have an option called '**Linked Issue**'. Crucible may put a suggested JIRA issue key into this field automatically if a JIRA key is found in the review title. You can specify a different issue key and click '**Link**' to save it. You can also click the 'x' to clear the field and load a different issue key.

Screenshot: Selecting a JIRA Issue When Creating a Review

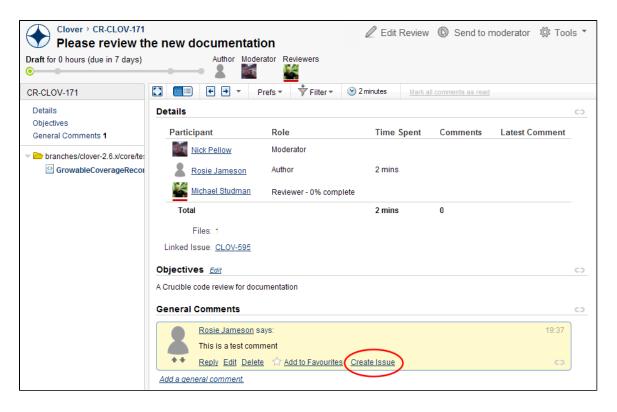


You can also link a JIRA issue to the review after the review is created. When viewing a review, the details pane of the review shows meta-information. One of the links in this area is titled 'Linked JIRA Issue:' and then a suggested JIRA issue key. Click this link to associate that JIRA issue with this review.

#### 3. Make a Comment or Defect on the Review

Once your review has a linked JIRA issue, create a comment or defect comment anywhere on the review. Once created, the comment actions will show a link titled '**Create Issue**' (note that this link does not appear on replies — only on new comments). You can click that to instantly create a sub-task under the parent JIRA, which will take the content of the comment as its summary.

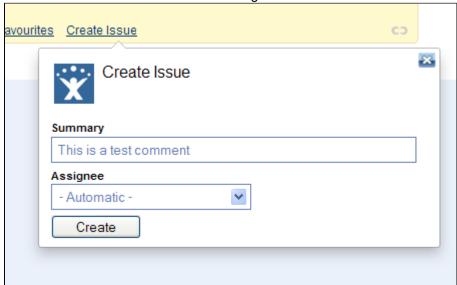
Screenshot: Selecting a JIRA Issue From a Comment



#### 4. Click to create a JIRA Sub-Task

Clicking the 'Create Issue' link will allow you to create a JIRA sub-task under the parent JIRA issue, e.g.:

Screenshot: The JIRA 'Create Issue' dialog

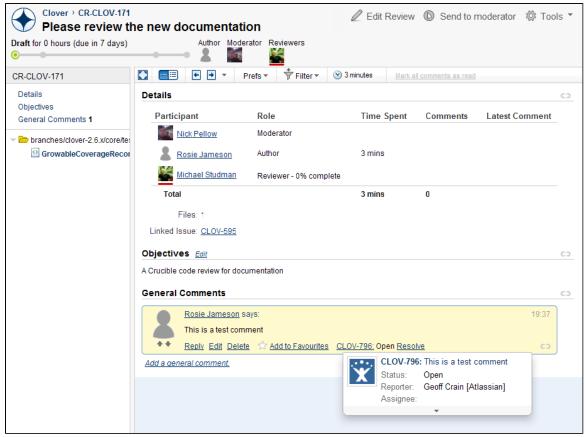


- 1 The list of possible assignees will include:
  - 'Automatic' (i.e. the default assignee for that JIRA project)
  - · the assignee of the subtask's parent issue
  - the reporter of the subtask's parent issue
  - 'Unassigned' (if your JIRA administrator has enabled Allow Unassigned)
  - plus, if <u>Trusted Applications</u>have been configured between JIRA and Crucible,
    - · the review author
    - the review moderator
    - the comment/defect author
    - yourself

Once created, the sub-task JIRA issue key, status and default action (i.e. 'Resolve') will be shown. If you hover

your mouse over the JIRA issue key, an information window will show more information and controls relating to that JIRA issue.

#### Screenshot: The JIRA Hover information window



i Users are mapped to their own accounts when using <u>Trusted Applications</u>. If you don't have the permissions to carry out the default action ('**Resolve**', in this case), an error will occur.

#### 5. Resolve the JIRA issue through Crucible

Once the work required on your sub-task is completed, simply click the action link provided to signal that this has occurred (e.g. '**Resolve**'). The JIRA issue will be closed.

If you encounter problems or have trouble using JIRA integration, please read the <u>FAQ page</u> on this topic.

### Using the Review History Dialog

The Review History dialog shows a chronological list of interactions within a review. You can see rich information about those interactions and control their display. You can sort the information by date, actor, or action.

#### To open the Review History dialog:

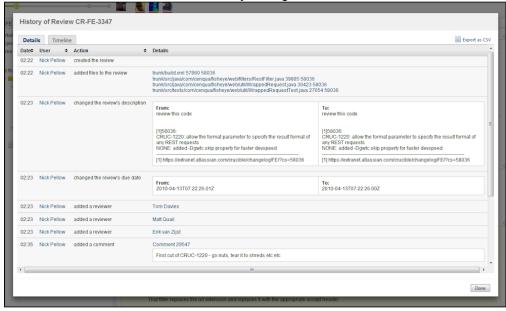
- 1. Open a review in Crucible.
- 2. Click 'Tools' > 'Review History' at the toolbar at the top right corner of the screen.
- 3. The Review History dialog opens.

This information can also be displayed in the new timeline mode, a graphical visualisation that shows events on a horizontal graph over time (click the '**Timeline**' tab at the top of the dialog to switch from '**Details**' to timeline view). Click and drag inside the timeline view to scroll the graph left and right. You can also click on the section showing months to scroll over a greater time scale.

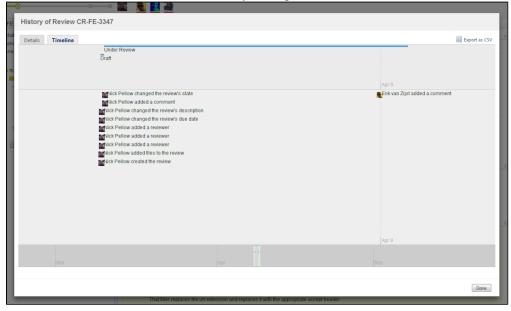
Additionally, you can get access to the entire review history through the 'CSV export' link in the upper right hand

corner, allowing for easy data import into a spreadsheet or other application.

Screenshot: The Crucible Review History Dialog



Screenshot: The Crucible Review History Dialog, Timeline View



# **Tracking Crucible Review Metrics**

Crucible tracks each participant's percentage completion through each review and the total time they have spent.

To learn about these features, see the following pages:

- Using Progress Tracking
- Using Time Tracking

# **Using Progress Tracking**

This page contains instruction on how to use progress tracking in Crucible.

#### On this page:

- How progress tracking works in Crucible
- Viewing the progress tracking totals

- How to adjust progress tracking on a review
- Adjusting settings for progress tracking
- Further reading

#### How progress tracking works in Crucible

As you work your way through the files in a review, Crucible tracks the ones you have viewed. Whenever you open a file for review, Crucible will automatically mark it as read.

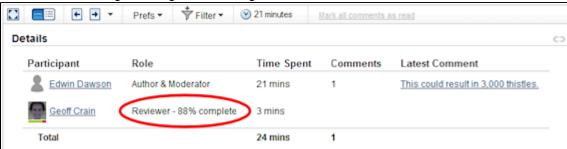
When participating in iterative reviews, progress tracking also takes lines of code and revisions into account.

#### Viewing the progress tracking totals

The 'Details' view shows a summary of the progress of each participant through the files in the review.

100%. If there is only one file in the review, then the progress tracked will either show 0% or 100%.

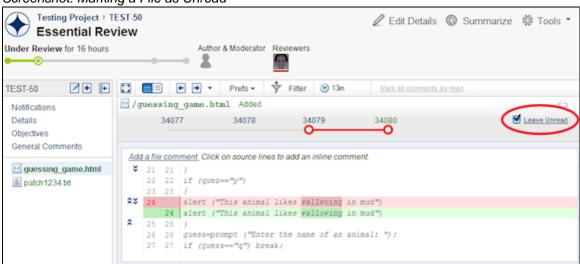
Screenshot: Viewing the Progress Tracking Totals



#### How to adjust progress tracking on a review

You can mark a file as unread by clicking on its name to view the file's contents. In the source view, you have an option at the top left of the screen, 'Leave Unread'. If you select that, then the file you are looking at will not be added to your progress percentage.

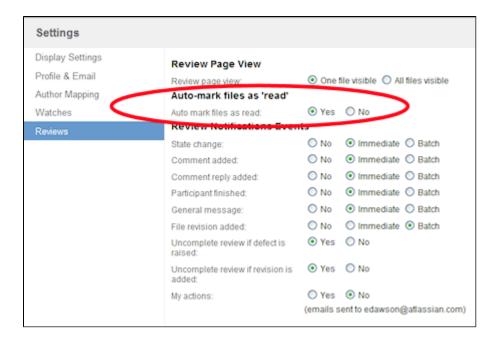
Screenshot: Marking a File as Unread



#### Adjusting settings for progress tracking

Progress tracking is a configurable user preference that can be changed in the 'User Settings' menu, in the 'Re views' sub-section. 'Auto-mark files as read' is on by default. When 'Auto-mark files as read' is set to 'No', marking files as read or unread is left to the user to manually manage.

Screenshot: Adjusting the Progress Tracking User Settings



#### **Further reading**

You may also want to learn about Crucible's Time Tracking feature.

## **Using Time Tracking**

This page contains instruction on how to use time tracking in Crucible.

#### On this page:

- How time tracking works in Crucible
- How to adjust the time tracked on a review
- Viewing the time tracking totals
- JIRA integration
- Further reading

## How time tracking works in Crucible

Crucible will automatically track the time you spend in a Crucible review. When you open a file for review, a counter in the Review Details panel starts. The time is added to your total when you leave the review screen.

Screenshot: Crucible Time Tracking



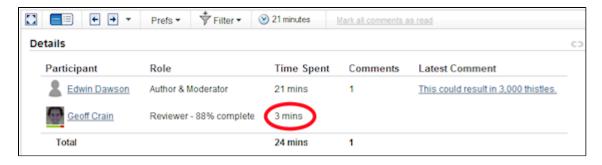
#### How to adjust the time tracked on a review

You can click and type in the time tracking control to adjust the time you have spent during the session.

# Viewing the time tracking totals

The 'Details' view shows a summary of the progress and time tracked on each file.

Screenshot: Crucible Tracking Totals



#### JIRA integration

Using Crucible when integrated with JIRA, you can update time tracking from the following locations:

- · The confirmation dialog for a reviewer completing a review,
- The confirmation dialog on closing a review,
- The regular toolbar location in Crucible.

Screenshot: JIRA Time Tracking Integration



### Further reading

You may also want to learn about Crucible's Progress Tracking feature.

# **Summarising and Closing the Review**

Summarize is an optional step before closing a review.

To enable or disable the Summarize step, you will have to configure the permission in your <u>Permission Scheme</u>. Crucible ships with two permission schemes:

- · 'Agile' the summarize step is disabled for all users
- 'Default' the summarize step is enabled for the moderator

You can choose to either **summarize a review** or **close a review** at any time, given that your Permission Scheme allows it. You can skip the summarize step by directly clicking the '**Close**' button.

Normally, we recommend that you wait for all reviewers to <u>complete their reviews</u>.
The reviews that the reviewers have completed will be in your **Ready to Close** menu on the <u>Dashboard</u>.

To summarize a review,

- Click **Summarize** at the right of the screen.
- Optionally enter a summary of the review.
- If you have no further comments to add, click Close Review; otherwise, click Continue Without Closing.

Screenshot: 'Summarize' button



The above review is not yet complete

We can see that Geoff Crain has still not finished reviewing, because there is no green tick next to his name.

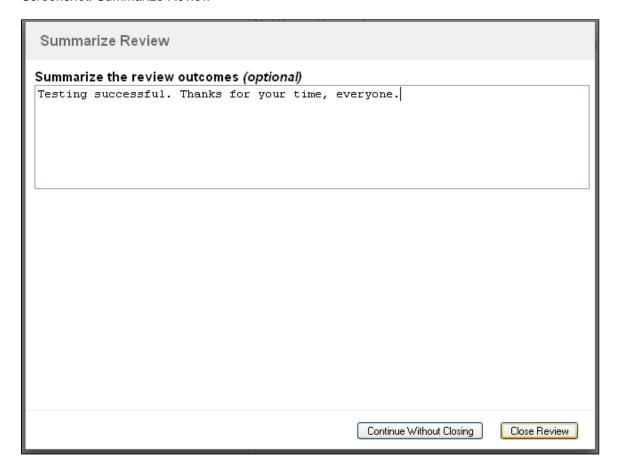
On clicking Summarize, the user may be prompted to confirm the action if there are incomplete reviews or draft comments in the review.

The requests for confirmation are warnings only

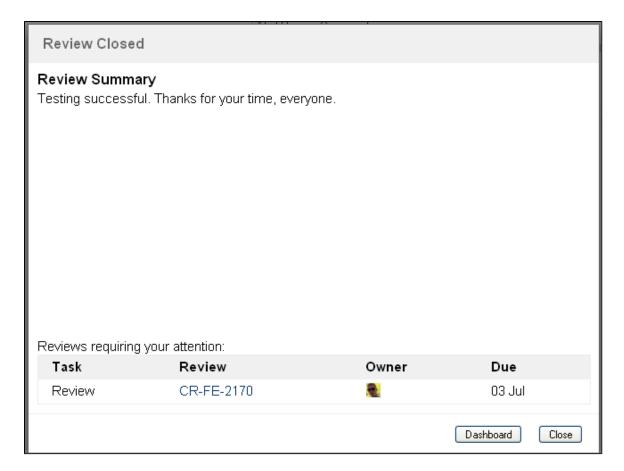
The review can still be summarized and closed.

Once the review is in the 'Summarize' state, the moderator can optionally add a review summary, i.e. describe the outcomes/tasks/etc.

Screenshot: Summarize Review



Screenshot: Review Closed



The summary is sent to all participants and displayed at the top of the closed review.

- Reviews in the 'Review' or 'Summarize' state can be closed.
- Reviews in the 'Summarize' or 'Closed' state can be re-opened. Re-opening changes the review's state back to 'Under Review', allowing all participants to add comments.



Re-opening a review is not the recommended way to 're-review'. You should create a new review with the reworked changes and link it to its parent review (create a hyperlink back to the original review in the new Review's Objectives field).

Note that you need the 'Summarize', 'Close' or 'Re-Open' permission to summarize, close or re-open a review.

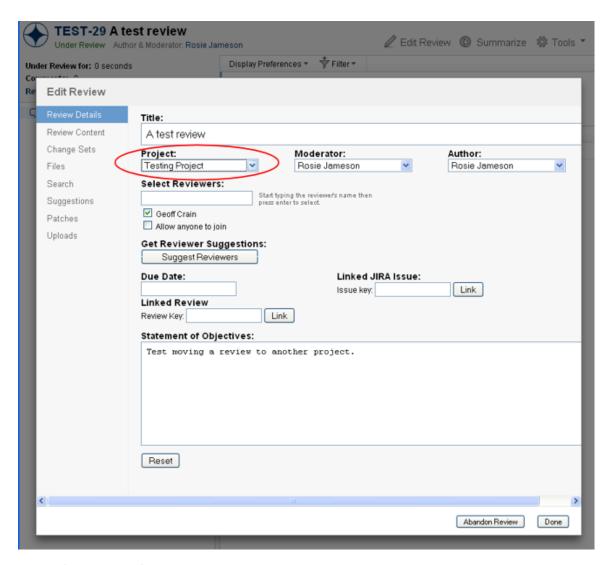
# Moving a Review to Another Project

You can move reviews between projects once they have been created.

### To move a review between projects:

- 1. Open the review. Click the 'Edit Review' button at the top of the screen.
- 2. The 'Edit Review' window will open, allowing you to change various aspects of the review.
- 3. Under 'Project' click the drop-down menu. This will allow you to select a new parent project for the review.
- 4. Click the 'Done' button at the bottom of the screen.

Screenshot: Changing a Review's Parent Project



# Deleting a review

To delete a review you must first abandon the review. To do that, follow the instructions below.



Deleted reviews cannot be retrieved.

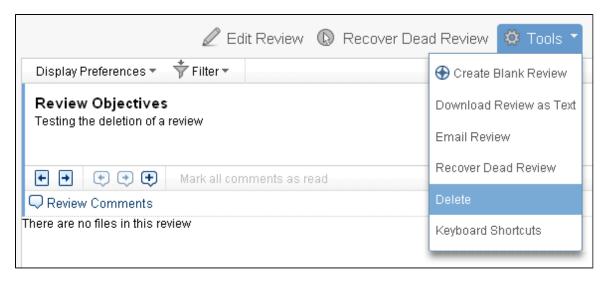
# Related page:

Deleting hung reviews manually

# To abandon and then delete a review:

- 1. Open the review.
- 2. Choose Tools > Abandon.
- 3. Now, on the Crucible dashboard, click My Abandoned Reviews in the left-hand navigation bar.
- 4. In the list of abandoned reviews, click the name of the review you wish to remove.
- 5. Once the review details are displaying, choose Tools > Delete. The review will be instantly deleted.

Screenshot: Deleting a review in Crucible



# **Defining your Workflow**

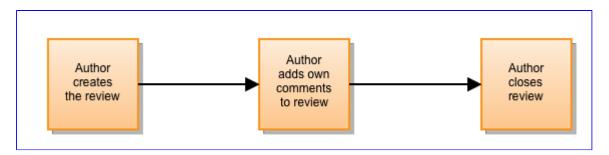
This document describes several forms of Crucible Workflow in detail. Depending on the size of your team, there are four different ways that a development team could use Crucible for code reviews. Choose the workflow which suits your team.

- Lightweight Code Commenting with Crucible (individual)
- One-to-One Reviews (Agile Pair)
- One-to-Many Reviews Without a Moderator (Agile Team)
- Formal Group Reviews (CMM Team)

# **Lightweight Code Commenting with Crucible (individual)**

- 1. Author commits new work.
- 2. Author creates the review, and adds comments using the easy web interface.
- 3. Author summarizes and closes the review, saving the code comments in Crucible's database, which is stored outside the repository.

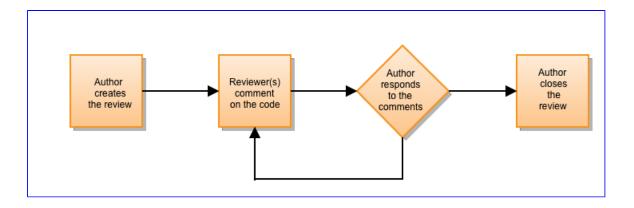
Diagram: Workflow for Lightweight Code Commenting



### One-to-One Reviews (Agile Pair)

- 1. Author creates the review.
- 2. Author invites reviewer to take part in the review.
- 3. Reviewer creates comments on the code.
- 4. Author responds to reviewer comments.
- 5. Follow-up comments are made if necessary.
- 6. Reviewer finishes own review process.
- 7. Author summarizes and closes the review.

Diagram: Workflow for One-to-One Reviews

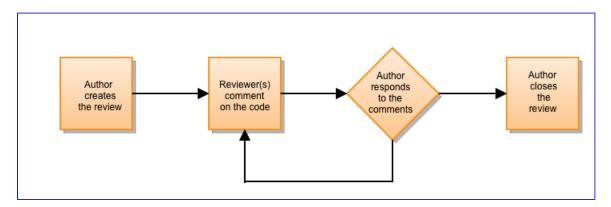


For more information on one-to-one reviews, see <u>The Crucible workflow</u>. The workflow process in Crucible is covered in detail within this document.

### One-to-Many Reviews Without a Moderator (Agile Team)

- 1. Author creates the review.
- 2. Author invites <u>reviewers</u> to take part in the review.
- 3. Reviewers make comments on the code.
- 4. Author responds to reviewer comments, follow-up comments are made if necessary.
- 5. Reviewers complete their reviews.
- 6. Author summarizes and closes the review.

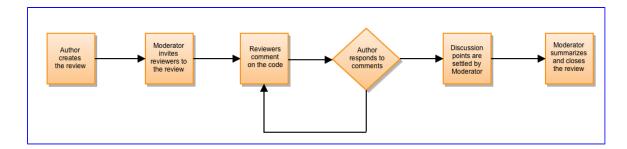
Diagram: Workflow for One-to-Many Reviews



### Formal Group Reviews (CMM Team)

- 1. Author creates the review.
- 2. Moderator invites reviewers to take part the review.
- 3. Reviewers make comments on the code.
- 4. Author responds to reviewer comments.
- 5. Follow-up comments are made if necessary.
- 6. Each discussion point is settled by the Moderator.
- 7. Moderator summarizes and closes the review.

Diagram: Workflow for Formal Group Reviews



To see a simple example of how to use Crucible with two people, see The Crucible workflow.

# **Viewing Your Favourites**

This page contains instructions on how to view, rename and remove your **existing favourites** in Crucible. You can select code reviews, changesets, files, people and repositories as favourites in Crucible. This allows you to personalise the information that you see in your <u>activity stream</u>.

See <u>Using Favourites</u> for instructions on how to add new favourites.

### On this page:

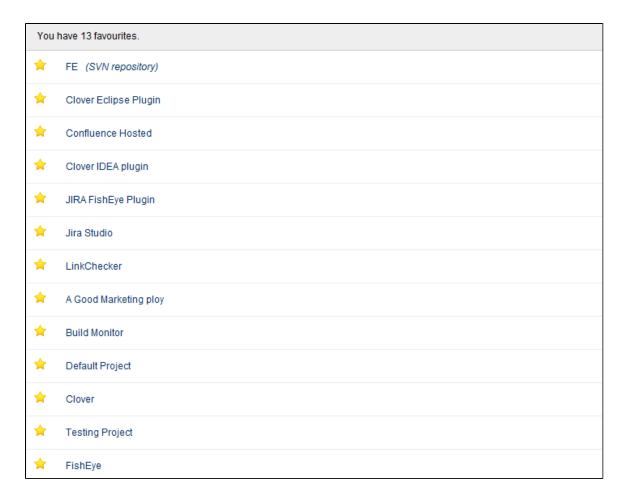
- Viewing your Existing Favourites
- Renaming a Favourite
- Removing a Favourite

# **Viewing your Existing Favourites**

To view your favourites,

- Click the favourites icon ( ) in the header.
   The code reviews, changesets, files, people and repositories that you have selected will be displayed in a list on the dashboard (see screenshot).
- 2. Click the favourites icon ( ) next to a favourite to show the dialogue for <u>renaming</u> (i.e. changing the 'Label') the favourite or <u>removing</u> the favourite. See <u>Using Favourites</u> for more information.
- ☑ Tip: You can add favourites wherever you see star icons next to code reviews, changesets, files, people and repositories, not just on this screen.

Screenshot: Viewing favourites



# Renaming a Favourite

# To rename a favourite,

- Click the favourites icon ( ) in the header.
   The code reviews, changesets, files, people and repositories that you have selected will be displayed in a list on the dashboard (see screenshot).
- 2. Click the favourites icon (>) next to a favourite to show the 'Update favourite' dialogue (see screenshot below).
- 3. Enter the new name for the favourite in the 'Name' field and click the 'Save label' button. The favourite will be renamed on the dashboard.

# Screenshot: The 'Update favourite' dialogue



# Removing a Favourite

To view your favourites,

- Click the favourites icon ( ) in the header.
   The code reviews, changesets, files, people and repositories that you have selected will be displayed in a list on the dashboard (see screenshot).
- 2. Click the favourites icon ( ) next to a favourite to show the 'Update favourite' dialogue (see screenshot below).
- 3. Click the 'Remove' button. The code review, changeset, file, person or repository will be removed as your favourite (the icon will be greyed out) and will not display the next time you view your list of favourites.

☑ Tip: You can remove favourites wherever you see star icons next to code reviews, changesets, files, people and repositories, not just on this screen, not just on this screen.

### Screenshot: The 'Update favourite' dialogue



# **Using Favourites**

This page contains instructions on **adding favourites** in Crucible. You can select code reviews, changesets, files, people and repositories to be added to your favourites. This allows you to personalise the information that you see in your <u>activity stream</u>. We suggest you select items that you are currently working on as favourites, to create a more relevant personalised view.

See <u>Viewing Your Favourites</u> for instructions on how to view your existing list of favourites and how to rename and remove favourites.

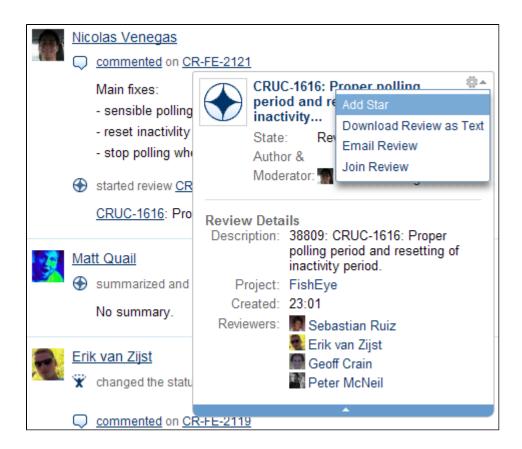
#### On this page:

- Adding a Review to Your Favourites
- Adding a Review Comment Thread to Your Favourites
- Adding a Project to Your Favourites
- Adding a Person to Your Favourites
- Adding a Changeset to Your Favourites
- Adding a File or Folder to Your Favourites
- Adding a Repository to Your Favourites

### Adding a Review to Your Favourites

To add a review to your favourites, hold the mouse cursor over the review name when it appears in a menu screen. The Review Hover menu appears. At the top right of the Review Hover menu, click the small grey cog icon that indicates the '**Tools**' menu. The Tools menu opens. In the Tools menu, click '**Add Star**'. This will add it to your favourites.

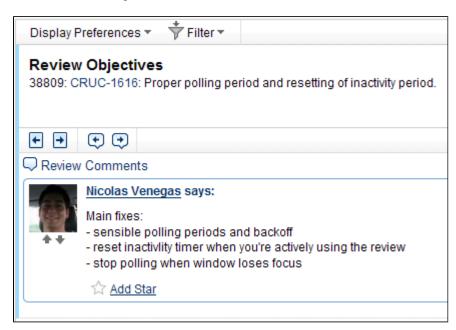
Screenshot: Adding a Review To Your Favourites



# **Adding a Review Comment Thread to Your Favourites**

To add a review comment thread to your favourites, click the link 'Add Star' next to the grey star icon at the bottom of the first comment of the thread. From then on, new comments will be shown in your favourites activity stream.

Screenshot: Adding a Review Comment Thread to Your Favourites

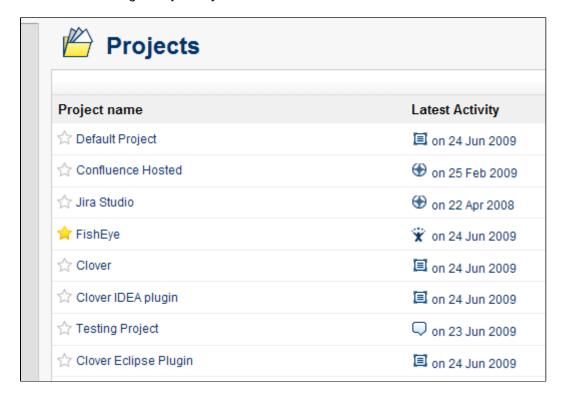


## Adding a Project to Your Favourites

To add a project to your favourites, click the '**Projects**' tab. The Projects view appears. Here, simply click the grey star icon that appears next to the desired project name. The star icon will turn yellow, showing that it is selected as a favourite.

Documentation for Crucible 2.9

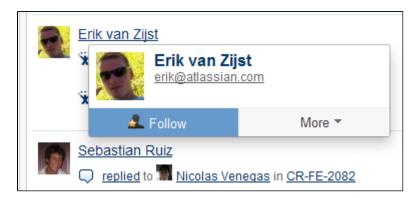
Screenshot: Adding a Project to your Favourites



# Adding a Person to Your Favourites

To add a person to your favourites, simply hold the mouse cursor over their username wherever it appears. The User Hover menu will appear. In the User Hover menu, click 'Follow'. This will add the person to your favourites.

Screenshot: Adding a Person to Your Favourites



# Adding a Changeset to Your Favourites

To add a changeset to your favourites, firstly open the changeset desired from the '**Source**' tab. Once the changeset is open in Crucible, simply click the grey star icon that appears next to its name. The name appears in the breadcrumb links at the top of the screen.

Screenshot: Adding a Changeset to Your Favourites



## Adding a File or Folder to Your Favourites

To add a file to your favourites, firstly open the file or folder desired, from the '**Source**' tab. Once the file or folder is open in Crucible, simply click the grey star icon that appears next to its name. The name appears in the breadcrumb links at the top of the screen.

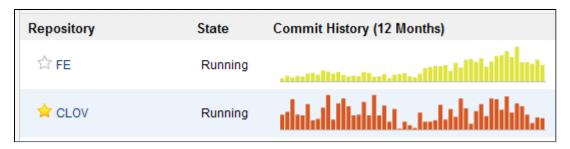
Screenshot: Adding a File or Folder to Your Favourites



### Adding a Repository to Your Favourites

Adding a repository to your favourites (requires <u>FishEye</u>), click the '**Source**' tab. The the '**Source**' view appears. Here, simply click the grey star icon that appears next to the name of the desired repository. The star icon will turn yellow, showing that it is selected.

Screenshot: Adding a Repository to Your Favourites



# **Using Keyboard Shortcuts in Crucible**

Crucible provides a number of keyboard shortcuts, allowing you to quickly carry out certain actions without the mouse. Keyboard shortcuts are available for most of the commonly-used functions in Crucible.

To see a list of available shortcuts, firstly navigate to a review in Crucible. Now open the '**Tools**' drop-down menu at the top right corner of the screen, and select the '**Keyboard Shortcuts**' option.

See the tables below for full details:

#### **General Shortcuts**

Key	Function
?	Opens reference list of keyboard shortcuts.
escape	Closes reference list of keyboard shortcuts.
alt	Hold down then click and drag to select source line contents.
shift + f	Toggle full screen review mode.

# **Custom Navigation**

Key	Function
7	(Comma) Go to the previous element, which can be a file, comment or defect, depending on your current context.
•	(Period) Go to the next element, which can be a file, comment or defect, depending on your current context.

# **Comment Navigation Shortcuts**

Key	Function
n	Go to next review comment.
p	Go to previous review comment.
shift + p	Go to first review comment.
shift + n	Go to last review comment.
I	Go to next thread (skips replies).
h	Go to previous thread (skips replies).
1	Go to next unread comment.
	Go to previous unread comment.
r	Reply to a comment.
m	Toggle comment read/unread status.

# **File Navigation Shortcuts**

Key	Function
j	Go to next file.
k	Go to previous file.
shift + k	Go to first file.
shift + j	Go to last file.
u	Go to next unreviewed file.
i	Go to previous unreviewed file.
у	Set file reviewed and go to next unreviewed file.

shift + y	Toggle file reviewed/unreviewed status.
е	Expand current file.
С	Collapse current file.
shift + e	Expand all files.
shift + c	Collapse all files.

# **Using RSS Feeds in Crucible**

# Subscribing to an RSS Feed

In Crucible, all pages with an activity stream and any page which has a list of reviews will have an RSS option.

To access the RSS feed for a page, open the '**Tools**' drop-down menu at the top right corner of the screen, then click the '**RSS**' option.

This will open a page with the RSS feed displayed; you can also paste the URL from that page into your RSS reader of choice.

# **Using Wiki Markup in Crucible**

Crucible supports Wiki Markup text formatting in comments and review descriptions.

The text markup notation on this page is a reference showing the available formatting commands.

When using FishEye, you can also render Wiki Markup in commit messages.

# **Headings**

Notation	Description
h1.Biggest heading	Turns text into a heading at size 1.  Biggest Text
h2.Bigger heading	Turns text into a heading at size 2.  Bigger heading
h3.Big heading	Turns text into a heading at size 3.  Big heading
h4.Normal heading	Turns text into a heading at size 4.  Normal heading

h5.Small heading	Turns text into a heading at size 5.  Small heading
h6.Smallest heading	Turns text into a heading at size 6.  Smallest heading

# **Text Effects**

Text effects are used to change the formatting of words and sentences.

Notation	Description
*bold*	Makes text appear <b>bold</b> .
_italic_	Makes text appear in italics.
+underline+	Makes text appear <u>underlined</u> .
??citation??	Makes text appear in citation form.
-strikethrough-	Makes text appear struck through.
^superscript^	Makes text appear in <sup>superscript</sup> .
~subscript~	Makes text appear in subscript.
{{monospaced}}	Placing double curly-brackets around text makes it appear monospaced.
bq. Block Quote	To make an entire paragraph into a block quotation, place "bq. " before it.  Example:  Some block quoted text
{quote} here is quoteable content to be quoted {quote}	Quote a block of text that's longer than one paragraph.  Example:  here is quoteable content to be quoted
{color:red} look ma, red text! {color}	Changes the color of a block of text.  Example: look ma, red text!

# **Text Breaks**

Wiki Markup allows you to insert breaks or different kinds of hyphens and dashes.

Notation	Description
(empty line)	Produces a new paragraph
\\	Creates a line break.
	Creates a horizontal ruler.
	Produces em dash — symbol.
	Produces en dash – symbol.

# Links

Creating links is easy with Wiki Markup.

Notation	Description
[Crucible Review CR-FE-100 CR-FE-100]	Creates a link to a Crucible review or FishEye artifact using the internal key reference for the item.
[Atlassian Crucible http://atlassian.com]	Creates a link to an external resource, special characters that come after the URL and are not part of it must be separated with a space. External links are denoted with an arrow icon.  Examples:  http://www.atlassian.com/crucible Atlassian Crucible Note: The square brackets [, ], around external links are optional in the case you do not want to use any alternate text for the link (i.e. just display the raw URL).

[mailto:mail@example.com]	Creates a link to an email address.  Example:  mail@example.com
[file:///c:/temp/foo.txt] [file:///z:/file/on/network/share.txt]	Creates a download link to a file on your computer or on a network share that you have mapped to a drive. To access the file, you must right click on the link and choose "Save Target As".
{anchor:anchorname}	Creates a bookmark anchor inside the page. You can then create links directly to that anchor. So a link like this: [My Page#here] will link to wherever in "My Page" there is an {anchor:here} macro, and the link [#there] will link to wherever in the current page there is an {anchor:there} macro.

### Lists

Lists allow you to present information as a series of ordered items. Use asterisks \* for bulleted lists and hash symbols # for numbered lists.

Notation	Description
* A bulleted list * Second item ** indented item 1 ** indented item 2  # A numbered list # Second item ## indented item 1 ## indented item 2	<ul> <li>Examples:</li> <li>A bulleted list</li> <li>Second item <ul> <li>indented item 1</li> <li>indented item 2</li> </ul> </li> <li>A numbered list</li> <li>Second item <ul> <li>a. indented item 1</li> <li>b. indented item 2</li> </ul> </li> </ul>

# **Images**

Images can be referenced from remote sources only.

Notation	Description
!http://www.host.com/image.gif!	The image will be displayed from the remote source.
!http://www.host.com/image.gif align=right, vspace=4!	For any image, you can also specify attributes of the image tag as a comma separated list of name=value pairs as shown in this example.

# **Tables**

Tables allow you to organise content in a rows and columns, with a header row if required.

Notation	Description
----------	-------------

heading 1  heading 2  heading 3    col A1 col A2 col A3   col B1 col B2 col B3	Makes a table. Use double bars for a table heading row.
--	---

The code above produces a table that looks like this:

heading 1	heading 2	heading 3
col A1	col A2	col A3
col B1	col B2	col B3

# **Advanced Formatting**

This section covers panels, code windows and showing plain text with no formatting.

Notation	Description
{noformat}	Makes a preformatted block of text with no syntax highlighting. All the optional parameters of the {noformat} macro are valid for the {panel} macro as well.  Example:
	This is a no-formatted piece of text, so *no* _formatting_ is done here.
{panel}	Embraces a block of text within a fully customizable panel. The optional parameters you can define are as follows.  • title: Title of the panel • borderStyle: The style of the border this panel uses (solid, dashed and other valid CSS border styles) • borderColor: The color of the border this panel uses • borderWidth: The width of the border this panel uses • bgColor: The background color of this panel • titleBGColor: The background color of the title section of this panel Examples:
	My Title
	Some text with a title

```
{code}code goes here{code}
                                                      The code macro displays a preformatted block for
                                                      showing code with syntax highlighting. All the optional
{code:title=Bar.java|borderStyle=solid}
                                                      parameters of the {panel} macro are valid for {code}.
// Some comments here
                                                      The default language is Java but you can specify
public String getFoo()
                                                      JavaScript, ActionScript, XML or SQL.
return foo;
                                                      Examples:
{code}
                                                      Java with a title bar:
{code:xml}
                                                                            Bar.java
<test>
<another tag="attribute"/>
                                                             // Some comments here
</test>
                                                            public String getFoo()
{code}
                                                                 return foo;
                                                      A basic display with XML code:
                                                             <test>
                                                               <another tag="attribute"/>
                                                             </test>
```

# **Miscellaneous Markup Features**

Emoticons and often-used images can be easily embedded with the following Wiki Markup Syntax:

Notatio	n					Des	crip	tion					
١X						Esc	ape	specia	al charad	ter >	K (i.e. {)		
:), :(						Gra	phic	al emo	oticons (	smile	eys): 😃	, 🙁 .	
Notati on	:)	:(	:P	:D	;)	(y)		(n)	(i)		(/)	(x)	(!)
Image	<u> </u>	2	9	<del>=</del>	0	₫.		<b>P</b>	8		~	X	A
Notatio n	(+)	(-)	(?)	(on)	(0	off)	(*)		(*r)	(*	*g)	(*b)	(*y)
Image	0	•	2	<b>©</b>	(		*		*	7	<b>k</b>	*	*

# **Using Gadgets in Crucible**

This page explains how to use the bundled gadgets in Crucible.

# On this page:

- Overview of Crucible Gadgets
- Gadget Configuration 1: Add JIRA to FishEye as an OAuth consumer
- Gadget Configuration 2: Add Gadget to your Application's Gadget Directory
- Gadget Configuration 3: Add Gadget to the Application's Dashboard

# **Overview of Crucible Gadgets**

As of the release of Crucible 2.3, you can show Crucible data in other Atlassian applications such as JIRA and Confluence by way of special gadgets.

Crucible has three gadgets bundled with it by default:

Gadget Name	Description and Gadget URL
'To Do Gadget'	This gadget is a list of Crucible to-do items including reviews to do, comments to read or reviews to summarise.
	The URL for this gadget is as follows:
	http://HOSTNAME:8060/rest/gadget s/1.0/g/com.atlassian.fecru.fecr u-gadgets-plugin:overdueReviews/ gadgets/todo.xml
	In this example, HOSTNAME: 8060 is the hostname of your Crucible instance.
'Hassle Gadget'	This gadget shows you who you are still waiting on, in other words which reviewers haven't completed your reviews.
	The URL for this gadget is as follows:
	http://HOSTNAME:8060/rest/gadget s/1.0/g/com.atlassian.fecru.fecr u-gadgets-plugin:overdueReviews/ gadgets/hassle.xml
	In this example, HOSTNAME: 8060 is the hostname of your Crucible instance.

'Overdue Reviews Gadget'	This gadget shows you reviews that are yet to be completed in the project, across all authors. This is useful for managers or team leads.  The URL for this gadget is as follows:  http://HOSTNAME:8060/rest/gadget s/1.0/g/com.atlassian.fecru.fecr u-gadgets-plugin:overdueReviews/ gadgets/overdueReviews.xml  In this example, HOSTNAME:8060 is the hostname of your Crucible instance.
Review Coverage	This gadget shows content from the innovative Review Coverage report, letting you investigate how much of your codebase has been under code review.  The URL for this gadget is as follows:  http://HOSTNAME:8060/rest/gadget s/1.0/g/com.atlassian.fisheye.re view-coverage-report/gadgets/rec ent-changesets.xml  In this example, HOSTNAME:8060 is the hostname of your Crucible instance.

Configuring gadgets is a three phase process. Firstly, you add your JIRA instance as an OAuth consumer. Secondly, you'll add the gadget to the destination application, then finally you add the gadget to the application's dashboard. In our example, we will show how to configure the Crucible gadgets for use in JIRA.

# Gadget Configuration 1: Add JIRA to FishEye as an OAuth consumer

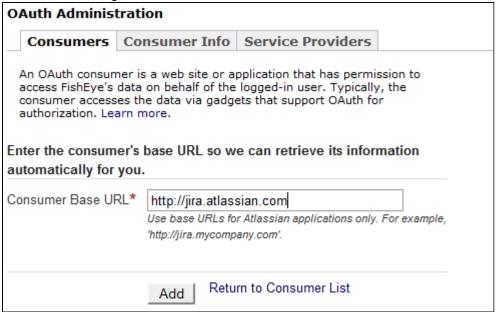
Firstly, you need to add JIRA to FishEye as an OAuth consumer. To do this, open the Admin Screen, then click '**Open Authentication (OAuth)**' under '**Global Settings**' in the left navigation bar. The OAuth configuration screen opens. Click '**Add OAuth Consumer**'.

Screenshot: The OAuth Administration Screen



Now, copy the URL for your JIRA instance into the field labelled 'Consumer Base URL' then click 'Add'. The application in use (JIRA or Confluence) will be auto-detected.

Screenshot: Adding Consumers to OAuth



Once the instance is added correctly, it will appear in the list of consumers. From here, you're ready to move onto step two.

#### Screenshot: List of OAuth Consumers

Name Description Actions  Atlassian JIRA Atlassian JIRA at http://jira.atlassian.com Edit   Remove	Add OAuth Cons	sumer	
Atlassian TRA Atlassian TRA at http://jira.atlassian.com    Edit I Remove	Name	Description	Actions
The second street of the property of the property of the second street o	Atlassian JIRA	Atlassian JIRA at http://jira.atlassian.com	Edit   Remove

# Gadget Configuration 2: Add Gadget to your Application's Gadget Directory

As a JIRA administrator you allow the use of these gadgets by adding them to the Gadget Directory. For each gadget, you will need to complete and enter the URL listed in the table above.

See the <u>JIRA documentation</u> for details on this process.

### Gadget Configuration 3: Add Gadget to the Application's Dashboard

Finally, as a JIRA user, you need to add the gadget to your dashboard:

See the <u>JIRA documentation</u> for details on this process.

Once complete, the gadget will appear on your JIRA dashboard and display information drawn from Crucible and FishEye.

Confluence also allows gadgets to be added to its dashboard. See the <u>General Gadgets Documentation</u> for more information.

Screenshot: The 'To Do' Gadget

Crucible: To	Do		
state	ID	Name D	ue
Summarize	CR-3	FE-3456: Make stuff nicer	35 minutes ago
Respond	CR-1	FE-1234: fix Widget stamping (1 unread comment	in 6 days
Review	CR-2	FE-2345: Repair Things	in 6 days

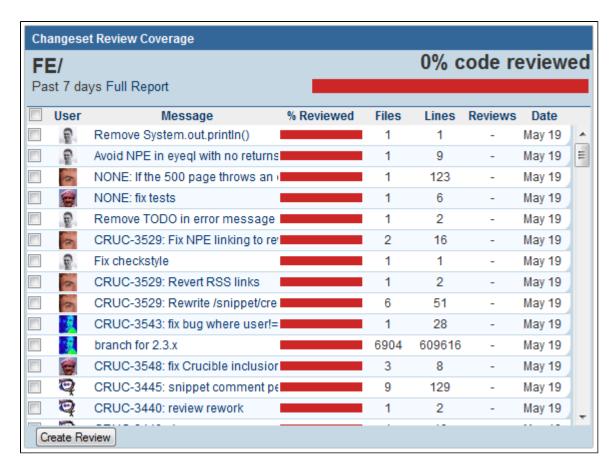
Screenshot: The Hassle Gadget

ssle		
ID	Name	Due
CR-1	FE-1234: fix Widget stamping (1 unread comment)	in 6 days
CR-1	FE-1234: fix Widget stamping (1 unread comment)	in 6 days
CR-4	FE-4567: Disentangle states	in 10 hours
	CR-1	ID Name  CR-1 FE-1234: fix Widget stamping (1 unread comment)  CR-1 FE-1234: fix Widget stamping (1 unread comment)

Screenshot: The Overdue Reviews Gadget

<del>)</del>	Name	ID
ninutes ago	FE-3456: Make stuff nicer	CR-3
0 hours	FE-4567: Disentangle states	CR-4

Screenshot: The Changeset Review Coverage Gadget



# **Using Review Reminders**

Crucible will automatically send reviewers a reminder email one working day before the deadline.

Review authors and moderators can also do the following:

- Send manual reminders to reviewers whose work is still pending.
- Configure preset reminders for reviews that have a deadline.

Reminders are only sent if Crucible's SMTP server is configured. Please see Configuring the SMTP server.

#### **Preset Reminders**

When a review has a deadline (due date), Crucible (by default) will send a preset reminder to all of the pending reviewers, one working day before the deadline.

To edit the timeframe for the reminder, firstly edit the review, then click **Remove** next to **Send Reminder**. Now, set the day for the reminder email to be sent (a number of working days before the deadline).

1 The Send Reminder setting is only available if the review has a due date set.

#### **Manual Reminders**

Crucible can send manually-initiated reminders to all the reviewers that have not yet completed their reviews.

To do this, click **Tools** > **Notify Pending Reviewers**. The reminder message will be sent immediately.

1 This capability is only open to those participants who are authorised to summarize the review.

# Transitioning JIRA issues

For Crucible reviews that are linked to JIRA issues, you can now advance their JIRA workflow from within

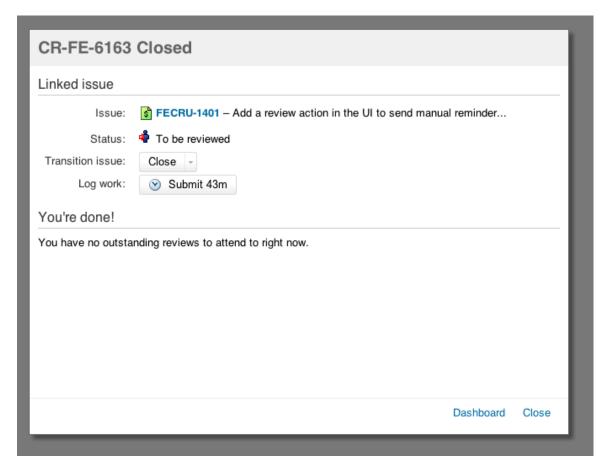
Crucible.

In the Close Review dialog, Crucible will now display any available workflow transitions for the linked issue.

# Transitioning a linked issue

To transition a linked issue:

In the Review Summary screen, choose Access: Review > (Summarize or Close) > Close Review. The
possible transitions appear as buttons below the transition.



Screenshot above: Transitioning a JIRA issue in Crucible.

### **Notes**

- Administrators can activate or deactivate JIRA Issue Transitions at a global level via the Administration interface.
- Only the transitions accessible by the user are displayed.
- The list of available transitions only appears if the user has visibility to any available workflow transitions.

**1** This feature does not support editing fields on the issue, only setting the *resolution* field if required by the transition.

#### **Related Links**

- Using JIRA Integration in Crucible Reviews
- JIRA Integration in Crucible

# **Administering Crucible**

Once you have <u>installed</u> and <u>configured</u> Crucible, you can access the **Administration** pages at the following address (where 'HOSTNAME' is the name of the server where you installed Crucible).

http://HOSTNAME:8060/admin/

The 'Admin Menu' allows you to administer your Crucible instance and manage your repositories, users and back-end settings. For information on administering FishEye, please refer to the FishEye documentation.

## **Topics**

- Crucible and FishEye
- Creating a user
- Administering projects
- Configuring Repositories
- Customising the Welcome Message
- Customising email notifications
- Setting up Users and Security
- Customising the defect classifications
- Creating a permission scheme
- Configuring User Managed Mappings
- Enabling Access Logging in Crucible
- Backing up and restoring Crucible data
- Best Practices for Crucible Configuration
- Managing plugins
- Migrating to an External Database
- Integrating Crucible with Other Applications

# Crucible and FishEye

This page gives an overview of the joint installation of Crucible and FishEve. Both Crucible and FishEye are Atla ssian products.

- FishEye allows you to extract information from your source code repository and display it in sophisticated
- Crucible allows you to request, perform and manage code reviews.
- Both of these products can run in isolation. If you are using Subversion, Git, Mercurial, CVS or Perforce you can significantly enhance your Crucible experience by also using FishEye.
  - See What happens if I decide to stop using FishEye with Crucible? to learn more.



Your Crucible installation package includes the files required for FishEye

If you use FishEye and Crucible together, they run as one instance.

# Purchasing and installing Crucible/FishEye

- If you install Crucible, there is no need to do a separate installation of FishEye.
- Upgrading Crucible to also use FishEye requires only a simple licence change in the admin screens.
- When upgrading to Crucible when you have an existing FishEye installation, you can either keep the original FishEye installation or install Crucible and FishEye as a fresh install. Refer to the guide on upgrad ing from FishEve to Crucible.

## The <FishEye home directory> and FISHEYE\_INST

Throughout the Crucible documentation, references are made to the <FishEye home directory>, which refers to the location of the FishEye application. Because most Crucible users also run FishEye, we use a single value for the sake of simplicity and consistency with the FishEye documentation.

Crucible also makes use of this FishEye environment variable:

FISHEYE INST – the location of the FishEye data.

Refer to the FishEye documentation for more about the <u>environment variables</u>.

### Installing the Crucible binary files

See the following for Crucible install instructions:

- Installing FishEye on Windows
- Installing FishEye on Linux and Mac

### Setting up a repository for use with stand-alone Crucible

When accessing repositories from stand-alone Crucible, the SCM client interface will access the repositories on demand. This requires that you configure the plugin.

For complete instructions, see Configuring Repositories.

### Setting up a Repository for use with FishEye and Crucible

- If you intend to use Crucible and FishEye with <u>Subversion</u>, please read <u>Supported platforms</u>, <u>Subversion</u> client setup, and granting permission to FishEye to scan your repository.
- If you intend to use Crucible and FishEye with Git, please read Supported platforms and Git Client setup.
- If you intend to use Crucible and FishEye with <u>Perforce</u>, please read <u>Supported platforms</u> and <u>Perforce</u> Client setup.
- If you intend to use Crucible and FishEye with CVS, please read Supported platforms and CVS Client
- If you intend to use Crucible and FishEye with Mercurial, please read Supported platforms and Mercurial Client setup.

#### **Detailed Documentation**

You can find more information in:

- Crucible <u>Getting Started</u>
- FishEye Getting Started

# Creating a user

Some user management functions are identical in both Crucible and FishEye. See more user management documentation in the FishEve documentation.

There are two types of user accounts:

- 'Built-in' user accounts these are stored in the application's local database.
- 'External' user accounts these are stored in an external directory (e.g. LDAP), if any are configured. See Configuring External Authentication Sources.



# Note regarding external directories:

- New users can only be added if they already exist in the external directory. Your external directory will not be modified.
- If you have enabled 'auto-add' for your <u>external directory</u>, users who don't exist locally will be automatically added the first time they log in to Crucible.

#### To add a new user:

- 1. In the Admin area, click Users under 'User Settings'.
- 2. Click the 'Add User' button at the bottom of the screen.
- 3. The 'Add new user' screen will be displayed.
- 4. In the 'Username' field, type the user's login name. You can use the following characters:
  - letters and numbers
  - hyphen ('-')
  - underscore ('\_')
  - 'at' sign ('@')
- 5. In the 'Display name' field, type the user's display-name.
- 6. *(Optional)* In the '**Email**' field, type the user's email address. This address is where the user will receive <u>n</u> otifications.
- 7. In the 'Auth Type' field, select either 'Built-in' or the name of the appropriate external directory where the user will be stored.
- 8. (For built-in users only) In the 'Password' and 'Confirm Password' fields, type the user's password.
  - 1 The user can easily change their own password later.
- 9. Click the 'Add' button.

Screenshot: Users in Crucible

# **Administering projects**

A Crucible *project* is a collection of <u>reviews</u>, typically reviews that all relate to the same application. In addition to providing a logical way of grouping reviews together, a project allows you to

- define default moderators, authors and reviewers for the reviews in that project.
- define which people are eligible to be <u>reviewers</u> for the reviews in that project.
- use <u>permission schemes</u> to restrict who can perform particular actions (e.g. 'Create Review') in that project.

Every Crucible review belongs to a project. Each project has a *name* (e.g. **ACME Development**) and a *key* (e.g. **ACME**). The project key becomes the first part of that project's *review keys*, e.g. **ACME-101**, **ACME-102**, etc:

By default, Crucible contains one project. This default project has the key 'CR' and the name 'Default Project'.

#### To view your projects:

- 1. From the 'Admin Menu', click 'Project List'.
- 2. The 'Projects List' page will be displayed.
  - Click the 'Create a New Project' link, which appears at the bottom of the list of existing projects, to create a new project. See Creating a Project.
  - Click the 'Edit' link next to an existing project's name, to edit the project. See Editing a Project.
  - Click the 'Delete' link next to an existing project's name, to edit the project. See <u>Deleting a Project</u>.

# **Creating a Project**

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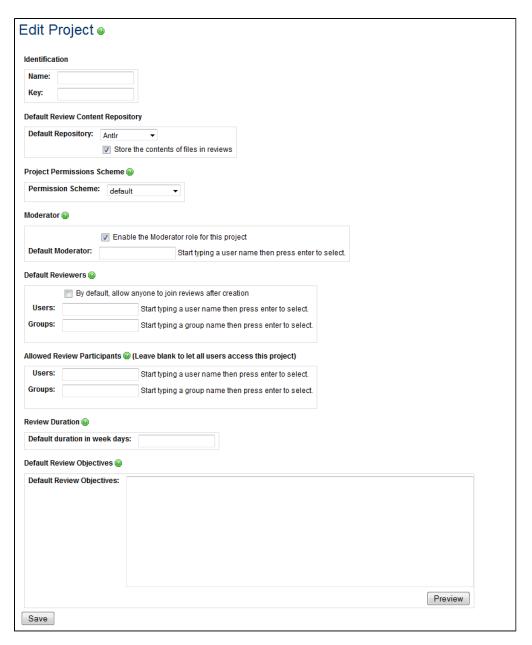
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By default, Crucible contains one project. This default project has the key 'CR' and the name 'Default Project'.

#### To create a new project:

- Click the menu labelled with your user name in the the FishEye/Crucible header, and click the 'Administr ation' option. You will need to be logged in as an <u>administrator</u> to see this link. The FishEye/Crucible administration console will be displayed.
- 2. Click 'Projects' link in the left menu. The 'Projects' page will be displayed showing all of the projects that you have set up in Crucible.
- 3. Click the 'Create a New Project' link, at the bottom of the list of your existing projects.
- 4. The 'Edit Project'page will be displayed. Complete the fields on this page:
  - 'Name' Type a short phrase that describes your project.
  - '**Key**' Type a few characters to uniquely identify your project. This key must consist of alphabetic and/or numeric characters and hyphens only.
  - 'Default Repository' Select the repository which contains source code relating to this project.
    - This repository is the one that will be searched by default when you add files to a review.
      - 'Store the contents of files in reviews' Tick this checkbox if you want to store the
        contents of files included in reviews, in the reviews themselves.
  - 'Permission Scheme' Select the relevant <u>permission scheme</u> for this project. (A permission scheme controls who can perform particular actions, e.g. 'Create Review'.)
  - 'Enable the Moderator role for this project' Tick this checkbox if you want enable the moderat orrole for this project.
    - 'Default Moderator' Type the name of the person who will appear by default in the 'Moderator' field when you <u>create a new review</u>; or leave this field blank to force the review's creator to choose a moderator.
  - 'By default, allow anyone to join reviews after creation' Tick this checkbox, if you want to allow anyone to join reviews after creation. See <a href="Adding Reviewers">Adding Reviewers</a>.
  - (Optional) Under 'Default Reviewers', select the people to whom new reviews in this project will be assigned by default:
    - 'Users' Type the name(s) of individual users to whom new reviews will be assigned by default.
    - 'Groups' Type the name(s) of groups to whose members new reviews will be assigned by default.
  - (Optional) Under Allowed Review Participants', select who will be allowed to have a role (i.e. be an <u>author/creator/moderator/reviewer</u>) in this project's reviews:
    - 'Users' Type the name(s) of individual users who will be eligible to be authors/creators/moderators/reviewers for reviews in this project\*.
    - 'Groups' Type the name(s) of groups whose members will be eligible to be authors/creators/moderators/reviewers for reviews in this project\*.
      - \* These users will be the only ones whose names appear when a review is assigned.
  - 'Default duration in week days' Enter a value for the number of working days that you want
    the review to run for. Simply type the number of days into the text entry field marked 'Default
    duration in week days'.
  - 'Default Review Objectives' Enter review objectives that will be applied to all new reviews. Click the 'Preview' button to preview the text entered in this field.
- 5. Click the 'Save' button to create your new project.

Screenshot: The Create/Edit Project Screen



# **Setting Crucible to Store all Revisions**

When creating a project or editing a project's properties, you can set Crucible to save all revisions that are associated with a review to Crucible's database. This allows you to be able to view that file content whether or not the repository is online or accessible to Crucible. It also creates an enhanced audit trail should you require it, saving the review content regardless of whether or not it is deleted or lost from the repository.

• Note that the storage of revisions must be set per-project. Also, the storage only applies to reviews created after Revision Storage is enabled. This means that for existing projects, pre-existing reviews will not be stored unless you look at them again after Revision Storage is enabled.

#### **Enabling Revision Storage on a new project**

# To enable Revision Storing on a new project:

- When creating a new project, you have the option to turn on revision storing on the 'Create New Project'
  page.
- 2. Under 'Default Content Review Repository', Click the checkbox labelled 'Store the contents of files in reviews'.
- 3. Click 'Save' to finish.

## **Enabling Revision Storage on an existing project**

## To enable Revision Storing on an existing project:

- 1. From the 'Admin' screen, click 'Projects' from the left navigation bar.
- 2. Click 'Edit' next to the desired project.
- 3. Under 'Default Content Review Repository', Click the checkbox labelled 'Store the contents of files in reviews'.
- 4. Click 'Save' to finish.

Screenshot: Enabling Revision Storage



# **Deleting a Project**

Admin users can delete projects under Crucible. To do this, follow the instructions below.

#### Before you begin:

- By default, Crucible contains one project. This default project has the key 'CR' and the name 'Default Project'. This project cannot be deleted.
- Deleted projects cannot be recovered.

#### To delete a project from the Project List:;

- From the 'Admin Menu', click 'Project List'.
- A list of projects appears. With care, click the 'Delete' link situated to the right of the project you wish to remove. If empty, the project instantly disappears.
- If the project contains reviews, you will be prompted to either delete all reviews in the project, or move them into the default project.

Screenshot: The Crucible Project Listing



# **Editing a Project**

Once projects are created, you can return to the project settings page to change the defaults such as repository, moderator, allowed reviewers, allowed groups and permissions.

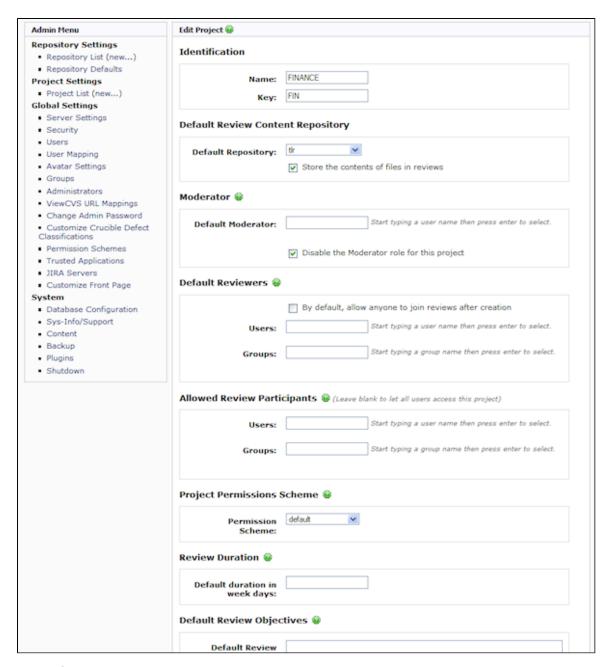
#### To edit project settings:

1. From the 'Admin Menu', click 'Project List'.

Crucible.

- 2. The list of projects will be displayed. Click the '**Edit**' link for the desired project, which appears to the right of the existing project name.
- 3. The 'Edit Project' page will be displayed. You can now adjust any of the given settings as desired.
- 4. In the '**Identification**' section, you can change the the plain language name (as displayed in the Crucible interface) and the project key (used when giving reviews their unique code names).
- 5. In the '**Default Review Content Repository**' field, you can adjust the repository which contains source code relating to this project.
  - This repository is the one that will be searched by default when you <u>add files to a review</u>. The check box here labelled 'Store the contents of files in reviews' will cause the source files under review to be stored in the Crucible database along with the comments and review data. This will retain a copy of all the source files that go under review even in the event of disconnecting the repository from
- 6. In the '**Default Moderator**' field, you can adjust the name of the person who will appear by default in the 'Moderator' field when you <u>create a new review</u>; or leave this field blank to force the review's creator to choose a moderator.
  - 1 You can also tick the option '**Disable Moderator**' to have reviews run by the author only. See <u>Enabling</u> the <u>Moderator Role</u> for more information.
- 7. *(Optional)* Under '**Default Reviewers**', you can adjust the people to whom new reviews in this project will be assigned by default:
  - Select the 'Let allowed review participants join a review' check-box if you wish to determine the
    default for the 'Allow anyone to join' option on the 'Adding Reviewers' screen.
  - In the 'Users' field, you can adjust the name(s) of individual users to whom new reviews will be assigned by default.
  - In the 'Groups' field, you can adjust the name(s) of groups to whose members new reviews will be assigned by default.
- 8. *(Optional)* Under **Allowed Review Participants**', you can adjust who will be allowed to have a role (i.e. be an <u>author/creator/moderator/reviewer</u>) in this project's reviews:
  - In the 'Users' field, you can adjust the list of individual users who will be eligible to be authors/creators/moderators/reviewers for reviews in this project\*.
  - In the 'Groups' field, you can adjust the list of groups whose members will be eligible to be authors/creators/moderators/reviewers for reviews in this project\*.
    - \* These users will be the only ones whose names appear when a review is assigned.
- 9. In the 'Permission Scheme' drop-down list, you can adjust the relevant <u>permission scheme</u> for this project. (A permission scheme controls who can perform particular actions, e.g. 'Create Review'.)
- 10. In the 'Review Duration' section, you can define the default length of time (in week days) for reviews in this project.
- 11. In the 'Default Review Objectives Section', you can define some text that will appear by default in the Review Objectives field of each new review. This text can be edited, as any text contained in the Review Objectives text box can.

Screenshot: The Edit Project screen in Crucible



# **Enabling the Moderator Role**

This page contains instructions on how to enable or disable the <u>moderator</u> role for all reviews under a given Crucible project.

#### On this page:

- Introduction
- Enabling the Moderator Role
- Removing the Moderator from an Existing Project
- Adding the Moderator to an Existing Project

#### Introduction

By default, Crucible projects do not have a moderator. This allows for a streamlined review handling process, where the review <u>author</u> is the sole person who starts and stops the review. Projects in Crucible can have the <u>m</u> <u>oderator</u> role enabled or disabled.

The setting for enabling moderators can only be set by a Crucible user with admin privileges.

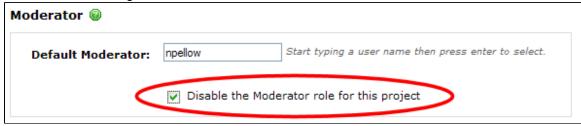
## Enabling the Moderator Role

The <u>moderator</u> role is configurable in Crucible as a per-project setting. By default, all reviews have an <u>author</u> and a <u>moderator</u>. However, the moderator role can be disabled.

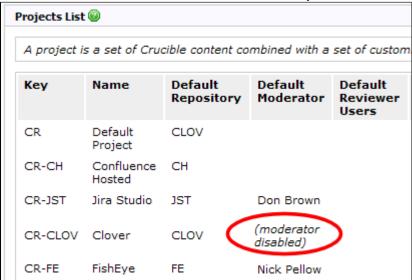
To enable or disable the moderator role on a project:

- 1. Open the Crucible Admin screen, by clicking the 'Administration' link at the bottom of any Crucible page.
- 2. The Crucible Admin screen opens. Click 'Project List' under 'Project Settings' in the left navigation bar.
- 3. The Projects List screen opens. Click the 'Edit' link in the 'Edit Crucible Settings' column.
- 4. The 'Edit Project' screen opens.

Screenshot: Disabling the Moderator in Crucible



Screenshot: Moderator Status Notification in the Projects List



#### Removing the Moderator from an Existing Project

When you remove the moderator role from an existing project, be aware of the following points:

- · Reviews created after the setting change will have the moderator role removed.
- Reviews created prior to the change will still retain the moderator they were assigned.
- If the removal of the moderator conflicts with other Crucible project settings, a warning will be shown on the Project List page.

if in doubt about the impact of adding or removing the moderator, you can create a new project (and set the moderator status during the project's creation).

#### Adding the Moderator to an Existing Project

If you add the moderator role back in to an existing project, be aware of the following points:

- Reviews created after the setting change will have the moderator role added.
- Reviews created prior to the change will still have no moderator.
- If the addition of the moderator conflicts with other Crucible project settings, a warning will be shown on the Project List page.

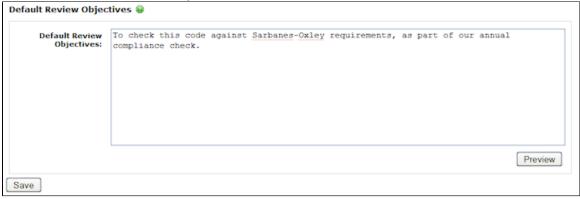
ightharpoonup If in doubt about the impact of adding the moderator, you can create a new project (and set the moderator status during the project's creation).

# **Setting Default Review Objectives**

To set default review objectives for all the reviews in a given project, carry out the following steps:

- 1. Open the 'Administration' page, 'Project List', then click 'Edit' to open the Edit Project screen.
- In the 'Default Review Objectives Section', you can define some text that will appear by default in the 'R
  eview Objectives' field of each new review. Click 'Done' to save your changes. This text can be edited,
  as any text contained in the Review Objectives text box can.

Screenshot: Default Review Objectives in Crucible



# Setting the Default Review Duration for a Project

You can set a default time period (duration) that all reviews under a given project will run for. Reviews that are overdue will show up in red on the reviewer's <u>dashboards</u>.

To set a default duration for all reviews in a project :

- 1. From the 'Admin Menu', click 'Project List'.
- 2. The list of projects will be displayed. Click the '**Edit**' link for the desired project, which appears to the right of the existing project name.
- 3. The 'Edit Project' page will be displayed. You can now adjust any of the given settings as desired.
- 4. In the 'Review Duration' section, you can define the default length of time (in week days) for reviews in this project. If you leave the field blank, then no time restriction is applied.

i Note that the 'Review Duration' only affects the default due date that appears when <u>creating a review</u>. The review's <u>creator</u> or <u>moderator</u> can specify a different date if they wish.

To see instructions for the other items on this page, see the documentation for Editing a Project.

# **Configuring Repositories**

The instructions for configuring your repositories are different, depending on your Crucible setup:

- If you are running Crucible with <u>Atlassian's FishEye</u>, you can manage your repositories using FishEye. See the <u>FishEye documentation</u> for more information.
- If you are running Crucible alone, you still can manage your repositories using native repository access (bundled with Crucible). See the <u>FishEye documentation</u> for more information. Please also see the <u>What happens if I decide to stop using FishEye with Crucible</u> page for important information about light FishEye.

# **Enabling Reviews from the Server File System in Crucible**

To set up the File System as a Code Repository in stand-alone Crucible:

1. Start Crucible then open the 'Admin' menu.

- 2. Under the 'System Settings' heading, click 'Plugins' in the left-hand navigation bar.
- 3. The 'Plugins' screen opens.
- 4. Next to 'crucible-filesystem-scm-plugin', click 'Enable'.
- 5. New options appear next to 'File System SCM': 'Disable' and 'Configure'. Click 'Configure'.
- 6. The 'Configure Plugin' screen opens. Click 'Add Repository'.
- The 'Add Repository' screen opens. Fill in the fields.

Field	What to enter
Name	Choose a unique name for the repository.
Base Path	Choose the lowest level of directory that Crucible will access.

- 8. Click 'Save'. The view will return to the list of repositories.
- 9. The server file system is now set up as a code repository for Crucible. You will be able to select files from it when creating reviews, with the ability to browse the files and directories on the hard drive.

# Setting Up a Git Repository in Crucible

Crucible interacts with Git repositories by executing the Git command in a separate process. Hence, the server running Crucible needs to have Git installed. Crucible indexes Git repositories by making a private, bare clone of your repository within Crucible's cache area. It uses this private clone for most Git operations.

1 The server running Crucible must have Git (version 1.7.1.1 or later) installed.

# **Git Repository Details**

## Step 1

Field	Description
Repository Type	Select 'Git'.
Name	Enter a name for this repository. The name may contain alphanumeric, underscore, '-' or '.' characters. This will be repository name in FishEye.
Description	Enter a short description of this repository.

#### Step 2

Field	Description
-------	-------------

Repository Location	Enter the URL describing the Git repository location. FishEye will clone this repository for indexing purposes. You can use any URL recognised by Git itself. Fisheye recognizes the following URL's:
	<pre>git://server_name[:port]/path_to_reposi tory http://server_name[:port]/path_to_repos</pre>
	itory
	https://server_name[:port]/path_to_repository
	<pre>ssh://server_name[:port]/path_to_reposi tory</pre>
	file://[hostname]/path_to_repository
	Do not use spaces in your URL.  i FishEye does not directly support the ssh protocol for Git repositories. To use ssh, launch FishEye within the context of ssh-agent, to which the appropriate ssh keys have been added.
Path	(optional) Enter the path within the Git repository that you want FishEye to index. This lets you limit FishEye to indexing a subset of the complete Git repository.
Block Size	(optional) Enter how many commits you want FishEye to process in one batch. Larger values require more memory and increase the amount of work FishEye commits to the database in a single operation.
Command Timeout	(optional) Enter the time that a single Git command is allowed to take to execute. Any command that exceeds this time is terminated and the operation will fail.
Rename Detection	(optional) Select which Git rename detection strategy FishEye will use to detect copy and move operations within the repository. Please refer to the Git documentation for more information.

# Step 3

Field	Description
Store Diff Info	Tick this checkbox, if you want FishEye to cache information about file diffs in its database. This is required for some FishEye features. See <u>Configuring Repository Details</u> for more information on this setting.
Enable Repository After Adding	Tick this checkbox, to enable the repository after adding (i.e. when you click the 'Add' button).

# Limitations

When FishEye indexes a Git repository, it indexes by the available branches. As it processes the commits on a branch, FishEye will assign the commit to the branch it first sees the commit on. Commits are only indexed once

so if a commit belongs to multiple branches, the commit will not indexed against subsequent branches.

# **Setting Up a Perforce Repository in Crucible Alone**

This page contains instructions on how to configure the Crucible Perforce SCM plugin to access Perforce repositories.



# Crucible SCM plugins superseded by Native Repository Access

Crucible now ships with native repository access, which allows you to connect to repositories without a working version of FishEye. Crucible SCM plugins will still work, but we recommend that you stop using them in favour of native repository access. See What happens if I decide to stop using FishEve with Crucible for instructions.

# On this page:

- Setting Up a Perforce Repository in Crucible Alone
- Notes

# Setting Up a Perforce Repository in Crucible Alone

# To set up Perforce in Crucible alone:

- 1. Ensure that the Perforce executable file is on the system path, in the Crucible server's Environment **Variables**
- 2. Start Crucible then open the 'Admin' menu by clicking the Administration link in the footer of the page.
- 3. Under the 'Repository Settings' heading, click 'Repository List' in the left-hand navigation bar.
- 4. The 'Repository List' screen opens.
- 5. Find the **Perforce** repository plugin and click its **Configure Plugin** link.
- 6. The 'Configure Plugin' screen opens. Click 'Add Repository'.
- 7. The 'Add Repository' screen opens. Fill in the fields.

Name	Choose a unique name for the repository.
Repository Server	Enter the base URL and port for the repository, for example: example.com:666.
Repository Path	Add the path to your Perforce repository. For example: //depot/code/example/main.
Perforce Username	Enter the username of the Perforce account that Crucible will use. (optional)  i  Note that this account should only have read-only access to the repository.
Perforce Password	Enter the password of the Perforce account that Crucible will use. (optional)

- 8. Click 'Save'. The view will return to the list of repositories.
- 9. Your Perforce repository is now set up for Crucible. You will be able to select changesets from it when creating reviews.

#### **Notes**

- 1 There is no 'initial scanning' required in this process, as Crucible's access to Perforce (when running alone) is strictly on-demand. Data is not indexed, hence there is no scanning.
- Crucible executes the Perforce command-line tool to enable this functionality.

# Setting Up a Repository via FishEye

To use FishEye to access an external source control repository, such as Subversion or Git, for Crucible, see the FishEye documentation for how to add a repository.

- CVS
- Git
- Mercurial
- Perforce
- Subversion



#### Building index and cache

FishEye needs to build an index and cache of the contents of your repository, so some information will not appear in FishEye until this is complete. This may take some time to complete, depending on the size of the repositories.

1 We recommend you access the repository with a user that has only read access to the repository.

# **Setting Up a Subversion Repository in Crucible Alone**

This page contains instructions on how to configure the <u>Crucible Subversion SCM plugin</u> to access Subversion repositories.



# Crucible SCM plugins superseded by Native Repository Access

Crucible now ships with native repository access, which allows you to connect to repositories without a working version of FishEye. Crucible SCM plugins will still work, but we recommend that you stop using them in favour of native repository access. See What happens if I decide to stop using FishEye with Crucible for instructions.

# On this page:

- Setting Up a Subversion Repository in Crucible Alone
  - Finding your Repository Root.

# Setting Up a Subversion Repository in Crucible Alone

# To set up Subversion in Crucible alone:

- 1. Start Crucible then open the 'Admin' menu by clicking the Administration link in the footer of the page.
- 2. Under the 'Repository Settings' heading, click 'Repository List' in the left-hand navigation bar.
- 3. The 'Repository List' screen opens.
- 4. Find the **SVN** repository plugin and click its **Configure Plugin** link.
- 5. The 'Configure Plugin' screen opens. Click 'Add Repository'.
- 6. The 'Add Repository' screen opens. Fill in the fields.

Field	What to enter
Name	Choose a unique name for the repository.

Repository Root	Enter the repository root URL for the repository. If you are not sure what the repository root is, please see the instructions below under "Finding your Repository Root".
Repository Path	Add the path on the base URL where your repository. For example, if you used the root URL above, and the full path to your Subversion instance is 'http://svn.example.com/svn5/', you would enter 'svn5' into this field.
SVN Username	Enter the username of the Subversion account that Crucible will use.  Note that this account should only have read-only access to the repository.
SVN Password	Enter the password of the Subversion account that Crucible will use.

- 7. Click 'Save'. The view will return to the list of repositories.
- 8. Your Subversion repository is now set up for Crucible. You will be able to select changesets from it when creating reviews.

i There is no 'initial scanning' required in this process, as Crucible's access to Subversion (when running alone) is strictly on-demand. Data is not cached, hence scanning is not required.

#### Finding your Repository Root.

Run the following command:

```
svn info SVN_URL
```

Where SVN\_URL is the complete URL of the repository you want to add.

You will get something like the following:

```
>svn info http://svn.example.com/svn5/
Path: svn5

URL: http://svn.example.com/svn5/
Repository Root: http://svn.example.com/
Repository UUID: ce062a09-193b-427a-a7b3-a85007076e5d
Revision: 83

Node Kind: directory
Last Changed Author: ryan
Last Changed Rev: 83

Last Changed Date: 2009-05-07 10:48:41 +1000 (Thu, 07 May 2009)
```

Next to "Repository Root" is the URL you should define as your repository root. The path will be whatever is remaining.

# **Customising the Welcome Message**

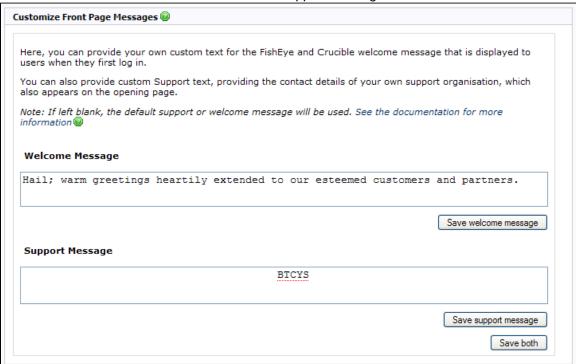
To customise the welcome message which is shown when Crucible opens, access the administration page and click 'Customize Front Page' under 'Global Settings' on the left navigation bar.

The 'Customize Front Page Messages' page opens.

On this page, you can provide your own custom text for the Cruciblee welcome message that is displayed to users when they first log in. You can also provide custom Support text, providing the contact details of your own support organisation, which also appears on the opening page.

You can enter text into the boxes provided for either message and click the small 'Save Welcome Message' or 'Save Support Message' button to save it, or enter text for both messages and click 'Save All'. The changes are made immediately.

Screenshot: Crucible Customize Welcome and Support Messages



# **Using HTML**

The content in the welcome screen can be arranged using basic HTML tables, image references or anchor tags such as the following:

```
<a href="http://www.atlassian.com">Link to Atlassian Home Page</a>
```

### Restoring the default messages

To revert to the default Welcome or Support messages, simply delete all text shown in the text box and click the corresponding 'Save' button.

#### Manually editing the opening screen

You can also directly edit the XML file that contains the welcome and support messages. This file is called config.xml, located in your installation folder.

To do this, simply add the following XML tags to config.xml:

```
<content>
  <front-page-message>Example welcome message here</front-page-message>
  <support-message>Example support message here</support-message>
</content>
```

# **Customising email notifications**

Email notifications in Crucible can be customised to change their formatting, by editing template files. This page contains instructions for this process.

## **Editing Crucible email templates**

Template files for Crucible are stored in the <FishEye home directory>/templates/ folder.

For Crucible, the set of templates is for plain-text email only. Note that these templates do not support embedding full diffs into notifications. They are only for changing the appearance and order of certain content inside the messages.



🔼 If you edit the templates of an operational Crucible instance, you may disrupt notifications that are being sent at that time. To avoid this, shut Crucible down during template editing.

# Editing the subject line

- 1. Open the 'crucible-notification-subject.ftl' template file from <FishEye home directory>/templat es/ in a text editor.
- 2. Type in your new text for the email subject, ensuring that all of the content is contained within line 1 of the template. 'crucible-notification-subject.ftl' is used as the subject template for all Crucible email notifications.
- 3. Save and close the file.
- 4. Restarting Crucible will activate the new templates.

#### Editing the header

Header information will be included at the beginning of the email body text.

- 1. Open the 'crucible-notification-header.ftl' template file from <FishEye home directory>/templat es/ in a text editor.
- 2. Add your new header content. 'crucible-notification-header.ftl' is used as the header template for all Crucible email notifications.
- 3. Save and close the file.
- 4. Restarting Crucible will activate the new templates.

#### **Editing the footer**

Footer information will be included at the end of the email body text.

- 1. Open the 'crucible-notification-footer.ftl' template file from <FishEye home directory>/template s/ in a text editor. 'crucible-notification-footer.ftl' is used as the footer template for all Crucible email notifications.
- 2. Add your new footer content.
- 3. Save and close the file.
- 4. Restarting Crucible will activate the new templates.

After an edit, the change to the email template will take place immediately. No restart is required.

Try and avoid editing the live template file, as Crucible may try to use it while you are editing. This could have unpredictable results. Instead, back up the template file (it's wise to keep original versions of all these files), edit a copy you have made, then overwrite the 'live' template once you have finished.

# Advanced editing of Crucible email templates

The email notification templates use the <u>Freemarker</u> format. Freemarker is a general templating engine enabling automated content.

If you are familiar with Freemarker, more advanced customisations can be made to the email notification templates. However, you make such adjustments at your own risk.

Note: In Crucible, email notifications are limited to plain-text format only.

# Crucible email template files

The following template files for Crucible notification are stored in the <FishEye home directory>/templat es/ folder.

Template filename	Purpose
crucible-notification-subject.ftl	Subject template
crucible-notification-header.ftl	Header template
crucible-notification-footer.ftl	Footer template
state-closed-notification.ftl	State Closed template
all-completed-notification.ftl	All Completed template
state-changed-notification.ftl	State Changed template
completed-notification.ftl	Completed template
general-notification.ftl	General notification template
uncompleted-notification.ftl	'Uncompleted' template
all-no-longer-completed-notification.ftl	All-No-Longer-Completed template
comment-notification.ftl	Comment template
reply-notification.ftl	Reply template
review-precis-plain.ftl	Precis template
review-reminder-notification.ftl	Review Reminder template

See also <u>Customising FishEye Email Notifications</u>.

# Freemarker Data Model for Email Templates

#### **Customising Crucible email templates with Freemarker**

See the <u>Freemarker documentation</u> for instructions on Freemarker syntax. Use the templates that ship with Crucible as a guide to the properties available on each object.

Specific email types will have extra data associated with them, and this data will be available in that particular template (but not in others).

#### **Example**

The syntax to access the data-model, using the data model object '**link**' as an example, place this code into the email at the desired position.

\${notification.link}

# **Setting up Users and Security**

User management and security settings are covered in the FishEye documentation.

## **Other Related Security Resources**

Setting up Users and Security

Creating a permission scheme

Configuring User Managed Mappings

How to Report a Security Issue

Security Advisory Publishing Policy

Security Patch Policy

Severity Levels for Security Issues

# Customising the defect classifications

This page explains how to customise defects and their classifications in Crucible.

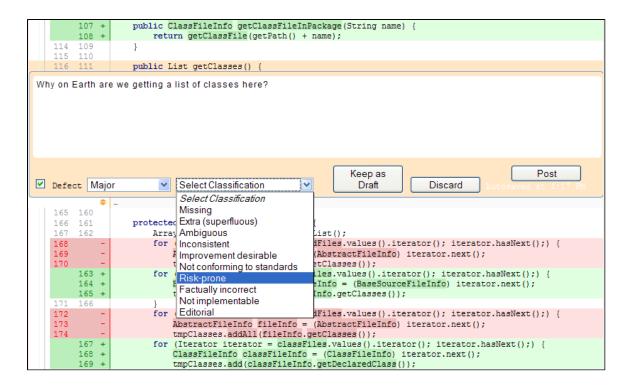
On this page:

- Defects in Crucible comments
- Changing classification settings
- Default Crucible classifications
  - Ranking
  - Classification

### **Defects in Crucible comments**

<u>Defects</u> are comments made by <u>reviewers</u> that indicate a problem in a review. Defects can be classified by rank and type. Custom classifications can also be defined. The default classifications are shown in the screenshot below.

Screenshot: The list of defect classifications



### **Changing classification settings**

1 Only Crucible Admin users can edit defect classifications.

## To change the default classifications:

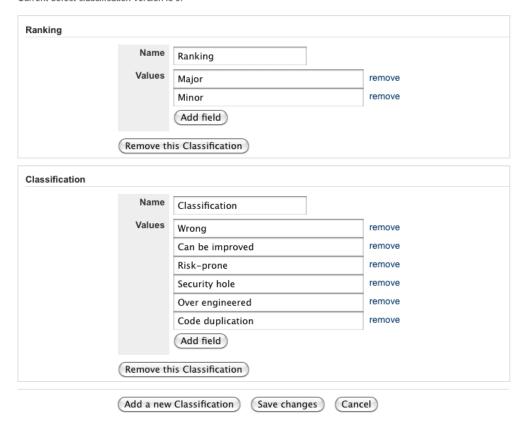
- 1. In the Admin area, click Crucible under 'Global Settings'.
- 2. Click Edit Defect Classifications.
- 3. You can add and remove classifications, and add fields to, or remove fields from, classifications.

Any changes made to defect classifications will only apply to reviews created after the change is saved.

Screenshot: Editing defect classifications in Crucible

# Defect Classifications @

Note: Changes will only apply to new reviews Current defect classification version is 9.



#### **Default Crucible classifications**

There are two default defect classifications that are preset in Crucible: Ranking and Classification. These settings (and their sub-categories) can be edited or removed; other custom classifications can be added.

# Ranking

Crucible users can rank a defect as Major or Minor, indicating the importance of the defect.

#### Classification

This setting helps to provide more detail about the defect. This classification can be set to one of the options described in the following table:

Value	Description
Missing	The defect applies to code or information that is missing (absent).
Extra (superfluous)	The defect applies to code or information that should be removed.
Ambiguous	The defect applies to code or information that is not clear or easy to understand.

Inconsistent	The defect applies to code or information that is applied in several different ways.
Improvement desirable	The defect applies to code or information that needs to be revised.
Not conforming to standards	The defect applies to code or information that breaks established conventions.
Risk-prone	The defect applies to code or information that takes unacceptable risks.
Factually incorrect	The defect applies to code or information that is wrong.
Not implementable	The defect applies to code or information that may be impossible to create.
Editorial	The defect applies to code or information where the classification as a defect may be subject to personal opinion.

# Creating a permission scheme

This page contains information on how to create a permission scheme in Crucible.

On this page:

- Introduction to Crucible permissions
- Creating a permission scheme
- Editing a permission scheme
- List of Crucible permissions
- Further reading

# Introduction to Crucible permissions

The page permission does not exist.

A permission scheme assigns particular permissions to any or all of the following:

- Particular <u>Users</u>.
- Particular <u>Groups</u>.
- All logged-in users.
- Anonymous Users
- People in particular Review Roles, such as:
  - Author
  - reviewer
  - creator
  - moderator

The scheme's permissions will apply to all reviews belonging to the <u>project(s)</u> with which the scheme is associated.

You can create as many permission schemes as you wish. Each permission scheme can be associated with many projects or just one project, allowing you to tailor appropriate permissions for individual projects as required.

# Creating a permission scheme

#### To create a permission scheme:

- 1. In the Admin area, click **Permission Schemes**, under 'Security Settings'.
- 2. Under 'Add a new permission scheme', enter a Name to uniquely identify your new scheme.
- 3. Click Add. Your new permission scheme will have the default assignees shown in the table above.
- 4. If required, edit this permission scheme, as described below.
- Next step: see Associating a Permission Scheme with a Project.

Screenshot 1: Adding a Permission Scheme

Add a new permission scheme	
Name	
	Add

### Editing a permission scheme

#### To edit a permission scheme:

- 1. In the Admin area, click Permission Schemes under 'Security Settings'.
- 2. Click edit for the scheme you wish to change.
- 3. Click **edit** for the permission you wish to modify, and choose the appropriate assignee(s) for this permission:

Allow Anonymous users	Assign this permission to anonymous users
Allow All logged in users	Assign this permission to all logged-in users
Individuals	Enter a username to assign this permission to a particular user.
Groups	Enter a group name to assign this permission to a particular group of users.
Review Participants	Select check boxes to assign this permission to users who belong to any of the Reviewer / Creat or / Author / Moderator participants.

Click **Save** when you are done.

A Note: for ongoing ease of management, it is recommended that you grant permissions to groups of participants rather than to individual users.

4. Click Save.

Screenshot: Editing the 'Close' permission

# Edit User Action

Close: Ability to clos	se a review once it has been su	mmarized.
Individuals	Allow All logged in users	Start typing a user name then press enter to select.
	✓ Seb Ruiz	otart typing a aser name then press enter to select.
Groups		Start typing a group name then press enter to select.
Review Participants	✓ Reviewer ✓ Creator ✓ A	Author Moderator
	Save Cancel	

# **List of Crucible permissions**

The following permissions are available:

Permission	Description	Default Assignees
Edit	Ability to edit a review's details and change the <u>set of revisions</u> being reviewed.	<u>Creator</u> <u>Moderator</u>
View	Ability to view a review. (People without this permission will not know that the review exists.)	Anonymous users All logged-in users Creator Author Reviewer Moderator
Abandon	Ability to abandon (i.e. cancel) a review.	Moderator Creator
Re-Open	Ability to re-open a closed or abandoned review.	<u>Creator</u> <u>Moderator</u>
Uncomplete	Ability of a reviewer to change their individual review status from Complete to Uncomplete.	Reviewer
Reject	Ability to reject a review submitted for approval (i.e. prevent it from being issued to reviewers).	Moderator
Complete	Ability of a reviewer to change their individual review status to Complete.	Reviewer
Comment	Ability to add or remove a comment to or from a review.	Creator Author Reviewer Moderator

Approve	Ability to approve a review (i.e. issue it to the reviewers).	Moderator
Submit	Ability to submit a review for approval (i.e. request that the review be issued to the reviewers).	Creator Author
Close	Ability to close a review once it has been summarised.	Moderator
Delete	Ability to delete a review.	Creator Moderator
Summarise	Ability to summarise a review. (Normally this would be done after all reviewers have completed their review.)	Moderator
Create	Ability to create a review.	All logged-in users
Recover	Ability to resurrect an abandoned (i.e. cancelled) review.	<u>Creator</u> <u>Moderator</u>

# **Further reading**

For more information on permissions schemes in Crucible, see the following documentation pages:

- Agile Permissions Schemes in Crucible
- Associating a Permission Scheme with a Project

# **Agile Permissions Schemes in Crucible**

This page contains information about using and editing Agile permission schemes in Crucible.

#### **Understanding the Agile Permissions Scheme**

<u>Agile development</u> teams may not want to use the default Crucible permission schemes that require one person to approve or summarise reviews. Crucible ships with a pre-defined Agile permission scheme. By Agile, we mean permission schemes that have no <u>moderator</u> and very liberal permissions, suited to Agile or self-organising teams.

To use the Agile permissions scheme when creating a project, simply select 'agile' from the drop down list under 'Project Permissions Scheme' on the 'Edit Project' screen.

#### Considerations

i If you began your installation of Crucible with Crucible 2.1 or later, then this permission scheme will appear in the list of permission schemes in the administration menu.

A If you have upgraded from an earlier version of Crucible (pre Crucible 2.0), then the Agile permission may not appear by default. However, you can still create the equivalent by <u>disabling the moderator</u> when creating projects, allowing freer access to summarising, closing and generally tending to Crucible reviews.

if you <u>disable the moderator role</u> on the Edit Project screen, then Crucible will check the current permission scheme. If the current permission scheme requires a moderator, a warning will be shown and you will be

prompted to create a new permission scheme which will be called '**Agile**' (or Agile-X if the name Agile already exists, where X is a number appended to the scheme name). The new permissions scheme will not require a moderator to carry out any actions.

Screenshot: Warnings on Permission Schemes that Require a Moderator



# Associating a Permission Scheme with a Project

This page explains how to associate a permission scheme with a Crucible project and show details of the default permission schemes included with Crucible.

#### On this page:

- Associating a permission scheme with a Crucible project
- Overview of the permission schemes bundled with Crucible
  - Default permission scheme settings
  - Agile permission scheme settings
- Related links

#### Associating a permission scheme with a Crucible project

## To associate a permission scheme with a project:

- 1. In the Admin area, click **Projects** (under 'Project Settings').
- Find the project you wish to associate with your permission scheme, and click Edit in the 'Crucible Settings' column.
- 3. Under 'Permissions Scheme', choose a scheme from the **Permission Scheme** list.
  - You will be shown a list of the schemes that have been created in Crucible. You can <u>create a new permission scheme</u> if necessary.
- 4. Click Save.

#### Overview of the permission schemes bundled with Crucible

Crucible comes with two permission schemes. 'Default' and 'Agile'. The following tables show the default settings in detail; note that these can be easily edited by admin users to suit your needs.

#### Default permission scheme settings

This table shows the various permissions and which user groups have them by default.

Permission Anonyn	nous All Logged In	Individuals	Groups	Review Roles
-------------------	--------------------	-------------	--------	--------------

Abandon	false	false	None	None	Creator, Moderator
Approve	false	false	None	None	Moderator
Close	false	false	None	None	Moderator
Comment	false	false	None	None	Reviewer, Creator, Author, Moderator
Complete	false	false	None	None	Reviewer
Create	false	true	None	None	None
Delete	false	false	None	None	Creator, Moderator
Edit Review Details	false	false	None	None	Creator, Moderator
Recover	false	false	None	None	Creator, Moderator
Reject	false	false	None	None	Moderator
Re-Open	false	false	None	None	Moderator
Submit	false	false	None	None	Creator
Summarize	false	false	None	None	Moderator
Uncomplete	false	false	None	None	Reviewer
View	false	true	None	None	Reviewer, Creator, Author, Moderator

The default permission scheme has changed since Crucible 1.6.

# Agile permission scheme settings

This table shows the various permissions and which user groups have them by default.

Permission	Anonymous	All Logged In	Individuals	Groups	Review Roles
Abandon	false	false	None	None	Creator, Author, Moderator
Approve	false	false	None	None	Creator, Author, Moderator

Close	false	false	None	None	Reviewer, Creator, Author, Moderator
Comment	false	false	None	None	Reviewer, Creator, Author, Moderator
Complete	false	false	None	None	Reviewer
Create	false	true	None	None	None
Delete	false	false	None	None	Creator, Author, Moderator
Edit Review Details	false	false	None	None	Reviewer, Creator, Author, Moderator
Recover	false	false	None	None	Reviewer, Creator, Author, Moderator
Reject	false	false	None	None	Creator, Author, Moderator
Re-Open	false	false	None	None	Reviewer, Creator, Author, Moderator
Submit	false	false	None	None	Creator, Author, Moderator
Summarize	false	false	None	None	Reviewer, Creator, Author, Moderator
Uncomplete	false	false	None	None	Reviewer
View	true	true	None	None	Reviewer, Creator, Author, Moderator

#### **Related links**

• Creating a permission scheme

# **Configuring User Managed Mappings**

In Crucible, Administrators can control whether users can use the <u>Author Mapping</u> setting to map their own Crucible usernames to repository committer accounts or not. By default, the setting allows users to set their own mappings.

If you wish to lock down the mappings for security or audit reasons, this setting lets you restrict all management

of mappings to Crucible administrators only.

To do this, click **Administration** in the footer of the Crucible interface and then **Authentication** (under 'Security Settings') in the left navigation bar. You can set User Managed Mappings either **On** or **Off**. The setting is applied immediately.

Screenshot: User Managed Mappings



# **Enabling Access Logging in Crucible**

#### **Steps**

- Stop Fisheye/Crucible,
- and then create the file FISHEYE\_HOME/content/WEB-INF/jetty-web.xml with the following content:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE Configure PUBLIC "-//Mort Bay Consulting//DTD Configure//EN"
"http://www.eclipse.org/jetty/configure.dtd">
<Configure class="org.mortbay.jetty.webapp.WebAppContext">
 <Call name="addHandler">
  <Arg>
   <New class="com.cenqua.fisheye.web.jetty.FishEyeRequestLogHandler">
   <Set name="requestLog">
    <New id="RequestLogImpl" class="org.mortbay.jetty.NCSARequestLog">
     <Arg><SystemProperty name="jetty.logs"</pre>
default="../var/log"/>/fisheye-access.log.yyyy_mm_dd</Arg>
     <Set name="retainDays">90</Set>
     <Set name="append">true</Set>
     <Set name="extended">false</Set>
     <Set name="LogTimeZone">GMT</Set>
    </New>
   </Set>
   </New>
  </Arg>
 </Call>
</Configure>
```

Restart Fisheye/Crucible.

This will create an access log in FISHEYE\_HOME/var/log/fisheye-access.log.yyyy\_mm\_dd format (e.g. fisheye-access.log.2010\_03\_17). If you want to change the path to your FISHEYE\_INST directory, change the default=".../var/log" to the path to the log folder in FISHEYE\_INST.



# The log directory must exist

If the path to the log directory given by the default attribute of the SystemProperty tag (defined in the line 10 in the jetty-web.xml above) does not exist, then FishEye will fail to start and will not log any error message.

The path given in the example below is correct when FISHEYE\_INST and FISHEYE\_HOME a re the same directory, otherwise please use the absolute path of your FISHEYE\_INST/var/ log directory.

### Log format

The logs are written in NCSA format:

```
172.20.5.186 - - [17/Mar/2010:22:50:21 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=TestRepo&ou
tputtype=image HTTP/1.1" 200 256
172.20.5.186 - - [17/Mar/2010:22:50:21 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=npanday&out
puttype=image HTTP/1.1" 200 177
172.20.5.186 - - [17/Mar/2010:22:50:21 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=jutils&outp
uttype=image HTTP/1.1" 200 775
172.20.5.186 - - [17/Mar/2010:22:50:21 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=P4&outputty
pe=image HTTP/1.1" 200 177
172.20.5.186 - - [17/Mar/2010:22:50:21 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=Rails&outpu
ttype=image HTTP/1.1" 200 1311
172.20.5.186 - - [17/Mar/2010:22:50:22 +0000] "GET
/fe/commitSparkline.do?w=280&h=48&context=repository&repname=FE-2363&out
puttype=image HTTP/1.1" 200 128
```

Please refer to the <u>Jetty documentation</u> for more configuration options.

#### Compatibility

If you are using an earlier version of FishEye than FishEye 2.7.8, replace com.cenqua.fisheye.web.jetty .FishEyeRequestLogHandler by org.mortbay.jetty.handler.RequestLogHandler.

FishEyeRequestLogHandler was added in 2.7.8 to fix an issue where the user credentials would not be added to the NCSA log: FE-3040.

# Backing up and restoring Crucible data

Crucible data can be backed up from the admin interface or command line. This page contains the command syntax, options and the required procedure to backup and restore your Crucible instance.

# **Backing up Crucible data**

## The Crucible admin backup process

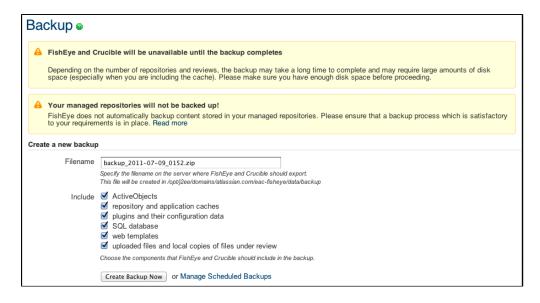
1. Navigate to the Crucible Admin area (click the **Administration** link in the footer of any Crucible page).

- 2. Click **Backup** (under 'System' heading in the left navigation bar).
- 3. The **File Path** field indicates where the backup file (in .zip format) will be stored. You can manually edit this path to change it. Under 'Include', a list of check boxes is shown, with the following items:

#### On this page:

- Backing up Crucible data
  - The Crucible admin backup process
  - The Crucible command line backup process
  - Components of a Crucible backup
  - Backup command line options
  - Command line examples
  - Advanced backup command line settings
  - Known limitations
- Scheduling Crucible backups
- Restoring Crucible data
  - Restoring Crucible data from the command line
  - Command line restore options
  - Advanced command line restore settings
- · Plugins and their configuration data
- SQL database
- Web templates
- Uploaded files and local copies of files under review.
- · Repository and application caches.
  - Repository and application caches contain temporary data stored from repository scans and library caches that improve startup time. Both will be recreated automatically by re-scanning the source repositories, so the backup files can be reduced by a significant amount by excluding these (if the cost of re-scanning is acceptable).
- 4. Once you have chosen your options, click Create Backup Now.

Screenshot: The Crucible Backup Screen



# The Crucible command line backup process

- 1 Your Crucible instance must be running during the backup.
  - 1. Open a command line interface on the Crucible server computer.

- 2. Navigate to the <FishEye home directory>/bin/ directory.
- 3. Run the backup command on the command line with the desired options.
- 4. The backup is created as a new Zip archive file and placed in the FISHEYE\_INST/backup/ directory.

  1 Note that if your Crucible instance uses a custom FISHEYE\_INST directory; make sure the environment variable is properly set when running the backup command.

# Components of a Crucible backup

The Crucible backup is highly configurable and allows for many different configurations. This table shows the various components of the backup, what they are for and how they can be used.

Component	Purpose	Defaults
SQL Database	Refers to the SQL content database (used by both FishEye and Crucible and containing all user profile data, reviews and their comments).	Backed up by default.
Cache	The cache contains data that reflects the state of FishEye's repositories. Without it, FishEye must re-scan its repositories after a backup is restored. The cache also contains OSGI library data that increases startup time. These too can be excluded and will be generated automatically when the application is started.	The cache is not backed up by default as it tends to be large (running a risk of pushing the maximum file size for Java backups), whilst also representing replaceable data.
Plugins	Plugins are 3rd-party extensions that you may have installed, and configuration for all plugins (this includes configuration for Crucible's set of standard plugins).	Configuration data for all plugins are backed up by default, as well as all plugins installed in FISHEYE _INST/var/plugins/user.
Templates	In this context, these are custom freemarker templates that you or your users have created. They live in FISHEYE_INST/template.	Templates are backed up by default. You can choose to exclude them from the backup if your templates directory is covered by some other backup mechanism.
Uploads	In this context, uploads refers to files which are added to Crucible via the web interface (such as patch file reviews). It also includes each repository-backed file that went under review, when Crucible is configured to make a local copy of every reviewed file.	Uploads are backed up by default. You can choose not to back them up for example when the FISHEYE _INST/var/data/uploads dire ctory is already covered by some other backup mechanism.
ActiveObjects	Configuration data stored by plugins	Backed up by default

Note that the backup will always include the configuration data (config.xml), your license file and the FishEye user data.

# **Backup command line options**

These examples are for use in a Linux-like operating system. When using these commands on Windows, use the file name fisheyectl.bat and use the correct slashes. Run the command from the <FishEye home directory>/bin/ directory.

The basic syntax of the backup command is as follows:

```
$ ./fisheyectl.sh backup [OPTIONS]
```

To see inline help for all backup options, run the following command in the <FishEye home directory>/bin/ directory:

\$ ./fisheyectl.sh backup --help

# || Option || Switch || Description || Default setting ||

Quiet mode	-q ORquiet	Suppresses output	No
Output filename	-f ORfile	Specify a different path and filename to the FISH EYE_INST/backup/backup_YYYY-DD-MM_HH mm.zip file. When filename is omitted, the backup filename contains the date and time.	FISHEYE_INST/backup/ is the default directory.
Compression level	compression OR -c	Sets the Zip compression level, from 1-9. Runs at level 6 if no argument is passed.	Yes (6)

Anonymise	-a ORanonymise	Anonymises the SQL database by replacing all text with 'x'. This is only useful when sending a backup to Atlassian as part of a support case. PI ease do not anonymise data unless the Support Engineer handling your support case has specifically requested the data anonymised (as often anonymised data will not help reproduce the issue).	No
Cache Backup	cache	Include the repository caching files in the backup. These hold information gained from scanning the repositories and can be quite large (many gigabytes). However, it can shorten the time needed to re-scan the repositories after data is restored.	No. By default, the cache data is excluded from backups.

# **Command line examples**

• These examples are for use in a Linux-like operating system. When using these commands on Windows, use the filename fisheyectl.bat and use the correct slashes. Run the command from the <FishEye home directory>/bin/ directory.

#### Backing up with compression of 9, quiet mode and setting an output location

```
$ ./fisheyectl.sh backup --compression 9 -q -f
/application_backups/fisheye/20090215.zip
```

#### Backup including cache data (also includes all default components)

```
$ ./fisheyectl.sh backup --cache
```

#### Restoring a backup with cache data (also restores all default components)

```
$ ./fisheyectl.sh restore --cache
```

Documentation for Crucible 2.9

## Advanced backup command line settings

In some cases it might be preferable to only backup a limited set of items. This could be useful when your instance uses an external database such as MySQL or PostgreSQL and your DBA has already configured automatic backups in the database. The commands below allow this.

Option	Switch	Description	Default
Exclude Plugins	no-plugins	Excludes plugins from the backup.	No. By default, plugins are included in every backup.
Exclude Templates	no-templates	Excludes templates from the backup.	No. By default, templates are included in every backup.
Exclude Uploads	no-uploads	Excludes uploaded files (such as patch reviews, stored in Crucible's internal database) from the backup.	No. By default, uploads are included in every backup.
Exclude SQL Database	no-sql	Excludes the SQL content database used by both FishEye and Crucible.	No. By default, this data is included in every backup.
Show help	help OR -h	Shows inline help on the command line.	No

### **Known limitations**

Please note that the below limitations are common for any Java based backup tool.

### **Archives Containing Over 65535 Files**

Versions of Java earlier than v1.6 (b25) are incapable of handling zip files that contain more than 65,535 files. The solution for this problem is to either upgrade to a version of Java later than v1.6 (b25), or ensure that the archive does not exceed the threshold (contains less than 65,535 files). The FishEye cache (not included in backups by default) can be a contributor of many small files. Hence, exclude the cache from backups if this is likely to be a concern.

#### **Archives Larger Than 4GB**

Java has trouble reading and writing zip files that are larger than 4GB. As of release 1.5 Java appears capable of reliably creating archives that are over 4GB, but remains unable to extract them. For details see <u>Sun's bug report</u>. Also be aware of the fact that some file systems (including <u>FAT32</u>) have trouble with files larger than 4GB.

As a workaround, make sure you do not create archives that are larger than 4GB. The FishEye cache (not included in backups by default) can be a contributor of a lot of small files (although these tend to compress very well). If you still want to archive everything and end up with an achive that is too large, consider creating separate backups for the FishEye cache and uploaded files respectively.

# Scheduling Crucible backups

To set a schedule for automatic backups, open the administration screen and click 'Backup' under 'System' on

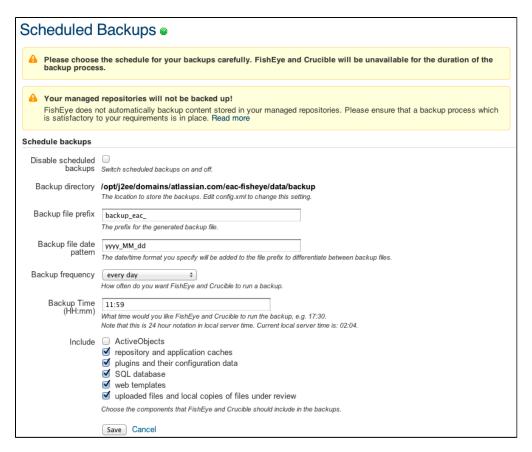
the left navigation bar. The 'Backup' page opens. Now, click the link 'Manage Scheduled Backups' at the bottom of the page. The 'Scheduled Backups' page opens.

On the 'Scheduled Backups' page, click 'Edit' to adjust the backup schedule. Set the desired options and click 'S ave'.

The options for scheduled backups are detailed in the table below.

Option name	Description	Allowed Values
Disable Scheduled Backups	Stops regular backups from taking place.	On (disabled) or Off (enabled)
Backup path	The path where the backup .zip file will be stored.	Any system or network path that FishEye or Crucible can access.
Backup file prefix	Characters that will be added to the beginning of the backup file name.	Any string of characters that can be used as part of a filename on the local operating system.
Backup file date pattern	Sets a date for the next (or initial) backup to take place.	Any valid date in the format yyyy_ MM_dd (year, month, day of the month).
Backup frequency	Sets how often the backup will take place.	Can be set to 'every day', 'every Sunday', 'Monday to Friday' and ' first day of the month'.
Backup time (HH:mm)	The time when the backup will take place.	Any valid 24-hour time in the format HH: mm (hours, minutes).
Include	Specifies which items must be included in the backups (these components are explained at the top of this page).	As per the options for regular on-demand backup (These components are explained at the top of this page).

Screenshot: Scheduling Backups in FishEye and Crucible



1 Be aware that scheduled backups can fill up disks unless you regularly move or delete old archives.

# **Restoring Crucible data**

# Restoring Crucible data from the command line

i There is currently no way to restore a backup from the web interface because Crucible must be shut down during a data restore.



Restoring a backup will irreversibly overwrite the data of your installation with the data from the backup archive.

If you made a backup from production which connected to an external database, and restore this backup to a test server without specifying another database to restore too, you will drop and restore to your production database. Thus when restoring to a test server, always ensure you specify the correct database to restore to (or restore to an in-built database).

- Install Crucible into a new, empty directory (this must be the same version that the backup was created from, or later).
  - A Note that you cannot restore data into versions of Crucible which are older than the version that created the backup.
- 2. Make sure the Crucible instance is not running.
- 3. Open a command line interface on the Crucible server computer.
- 4. Run the restore command on the command line with the desired options.
- 5. The specified elements will be restored.
- 6. Start the Crucible instance.
- 7. When using FishEye integrated with Crucible, you will need to re-index your repositories after restoring data, unless the backup archive was created with the --cache option.

# **Command line restore options**

• These examples are for use in a Linux-like operating system. When using these commands on Windows, use the filename fisheyectl.bat and use the correct slashes. Run the command from the <FishEye home directory>/bin/ directory.

The basic syntax of the restore command is as follows:

```
$ ./fisheyectl.sh restore -f /path/to/backup_2009-10-02_1138.zip [OPTIONS]
```

To see inline help for all backup options, run the following command in the <FishEye home directory>/bin/ directory:

```
$ ./fisheyectl.sh restore --help
```

Restores a FishEye/Crucible backup instance.

If you are using an external database (as opposed to the default built-in database), make sure the JDBC driver file is present in the FISHEYE\_INST/lib directory when running restore.

Option	Switch	Description	Default
Suppress output	quiet OR -q	Suppress the output messages from the restore program on the command line.	No
Choose file to restore from	file PATH/FILENAME OR -f PATH/FILENAME	Restore the backup from PATH/FILENAME.	Yes (required)
Show inline help	help OR -h	Displays help for options on the command line.	No

#### **Advanced command line restore settings**

By default, the restore program will restore all items found in the backup archive (so if you included the caches using the --cache option, these will automatically be restored). However, it is possible to only restore a subset of items from the backup, by explicitly specifying the item names on the command line and only those will be restored.

Option	Switch	Description
Restore FishEye cache	cache	Restore the repository cache backup.
Restore plugins	plugins	Restore 3rd-party plugins and their configuration data.
Restore templates	templates	Restore freemarker templates from the backup (the restored instance will use the built-in templates).

Restore uploads	uploads	Restore uploads (e.g. patch files uploaded into Crucible and contents of files under review).
Restore Crucible reviews	sql	Restore the SQL database containing user profiles, reviews and review comments.
Set database type	dbtype OR -t	SQL database type ('mysql', 'postgresql' or 'built-in'). Only required when restoring to a database location different to that used at used at backup time.
Set JDBC URL	jdbcurl OR -j	JDBC URL of the SQL database. Only required when restoring to a database location different to that used at used at backup time (not applicable for 'built-in').
Set JDBC username	username OR -u	JDBC username of the SQL database. Only required when restoring to a database location different to that used at used at backup time (not applicable for 'built-in').
JDBC password	password OR -p	JDBC password of the SQL database. Only required when restoring to a database location different to that used at used at backup time (not applicable for 'built-in').
JDBC class	driver OR -d	Specifies the JDBC driver class name needed to access the SQL database. Only required when restoring to a database location different to that used at used at backup time and when using a different JDBC driver than the standard driver associated with the database specified throughdbt ype. (Not applicable for 'built-in'.)

#### Notes on migrating backup data

When the process restores a SQL database, it looks at the configuration data (config.xml) included in the backup archive to learn which database product was used and how to connect to it. When Crucible uses the built-in HSQLDB database (which is the default), the restored instance will also use that. However, when the restored instance will use a different database than the backed up instance (for instance, HSQLDB was used at the time the backup was created, but it needs to be restored on MySQL), use the

command line options to point the process to the new database.

#### Command line example: migrating backup data to MySQL

These examples are for use in a Linux-like operating system. When using these commands on Windows, use the filename fisheyectl.bat and use the correct slashes. Run the command from the <FishEye home directory>/bin/directory.

Restoring to a Crucible instance that uses a different database (ensure the mysql driver jar file is present in the FISHEYE\_INST/lib directory)

```
$ ./fisheyectl.sh restore \
--username john \
--password smith \
--jdbcurl jdbc:mysql://localhost:3306/crucible \
--dbtype mysql \
--file /path/to/backup_2009-10-02_1138.zip
```

# **Best Practices for Crucible Configuration**

1. Set up a separate FISHEYE\_INST folder location on the same system for Crucible's data.

This will allow for easy upgrades of the core program and neatly separated data backup.

2. Run Crucible on a dedicated machine, accessing its data on the local file system.

This is the best environment for swift Crucible performance. Avoid running Crucible in a virtual environment.

3. Do not give Crucible projects the same key as your JIRA projects.

When naming projects, take care to ensure that the key you assign to them is not the same as any of your JIRA projects. The reason for this is, if one of your Crucible projects has the same key as one of your projects in JIRA, then all links with that key will lead back to Crucible, rather than leading to JIRA, removing the ability to navigate between the two applications.

To avoid this, name your Crucible project keys differently. For example, you could place the following text at the beginning of each project key: CR- to distinguish it. So, for this case, if you have an existing JIRA key of 'RHUBARB', you would create a Crucible key called 'CR-RHUBARB' so that they do not conflict.

4. Do not use the built-in HSQLDB database for production use.

The Crucible built-in database, running <u>HSQLDB</u> is somewhat susceptible to data loss during system crashes. We recommend that you do not use HSQLDB for production systems. External databases are generally more resistant to data loss during a system crash and are more suited for production use.

To see a list of external databases that Crucible supports, see the <u>Supported Platforms</u> page. For information on how to set up an external database, see the <u>Crucible Database documentation</u>.

# **Managing plugins**

A **plugin** is an add-on to the core Crucible code, used to extend the Crucible functionality. Some plugins are shipped with Crucible, others are available for you to install yourself.

You can develop additional plugins (see the <u>Crucible Developer docs</u>) or download existing plugins from the <u>Atlassian Plugin Exchange</u>, and <u>install them</u> into your Crucible system.

#### On this page:

- Managing your plugins
- About the Universal Plugin Manager (UPM)
- Notes

#### Managing your plugins

- Viewing your Installed Plugins
- Installing a Plugin
- Configuring a Plugin
- Uninstalling a Plugin
- Disabling or Enabling a Plugin
- Checking Plugin Compatibility for Crucible Upgrades
- Upgrading your Existing Plugins
- Viewing the Plugin Audit Log

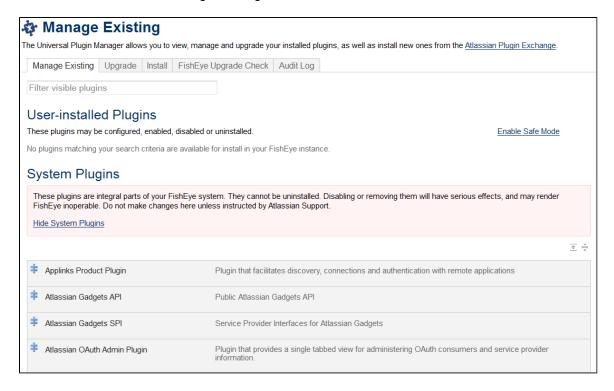
#### **About the Universal Plugin Manager (UPM)**

The Universal Plugin Manager (UPM) provides a set of functions for managing your plugins. The UPM is itself a system plugin. It allows you to perform common tasks such as:

- Finding and installing new plugins.
- Enabling and disabling plugins and their plugin modules.
- · Configuring plugin options.
- Updating plugin software.
- · Checking the compatibility of your installed plugins against newer versions of the application.

The UPM lets you interact with the <u>Atlassian Marketplace</u>. You can use the UPM to browse available plugins for your application, and try and buy plugins without ever leaving your application.

Screenshot: The Universal Plugin Manager in Crucible



#### Notes

• Plugin Safety. Plugins are very powerful. They can change the behaviour of almost any part of the

Crucible server. This makes it very important that you trust a plugin before you install it. Always be aware of where and who a plugin comes from.

• **Troubleshooting.** Having problems with the Universal Plugin Manager? Try the <u>Universal Plugin Manager FAQ</u>.

#### **Viewing your Installed Plugins**

Using the Universal Plugin Manager (UPM) you can see a list of plugins installed on your Crucible site. These include plugins that are bundled with Crucible as well as any plugins that you have installed. Both enabled and disabled plugins are displayed.

#### On this page:

- Viewing your Installed Plugins
- Viewing a Plugin's Details
- Notes

#### **Viewing your Installed Plugins**

#### To view your installed plugins:

- 1. Click the Manage Existing tab. You will see a list of the plugins installed in your application.
  - The plugins are grouped into 'User-installed Plugins' and 'System Plugins'.
  - You can filter your list by entering keywords in the 'Filter visible plugins' text box.
  - The list of 'System Plugins' will be hidden by default. Click the Show System Plugins link to see them
  - Enabled plugins will have this icon: 

    Disabled plugins will have this icon:
  - Click the name of a plugin to view the plugin's details.
  - Click Enable Safe Mode to run your application in safe mode. This mode disables all user installed plugins.

#### Viewing a Plugin's Details

You can view the details for a plugin by clicking the name of a plugin in the list of installed plugins. The summary contains a short description of the plugin as well as links to plugin operations and related information.

- **Plugin key** A unique key that identifies each plugin in the system.
- **Developer** The name of the plugin developer and a link to the developer's home page, if provided by the plugin developer.
- **Plugin version** The version of the plugin currently installed.
- Manage plugin modules Click this link to display the plugin modules below the plugin summary. A
  module is a component of the plugin. This link will only appear if the plugin has modules. If you want to
  enable or disable a plugin module, hover your mouse over the module and click the 'Enable'/'Disable'
  button for that module.
- Configure Click this link to display the configuration settings for the plugin. This link is disabled if the
  plugin is disabled. Please note that not all plugins have settings that can be configured through the
  Universal Plugin Manager.
- **Disable** Click this button to disable the plugin in your application. This button will only appear if the plugin is enabled.
- **Enable** Click this button to enable the plugin in your application. This button will only appear if the plugin is disabled.
- Uninstall Click this button to uninstall the plugin from your application. This button will only appear for user installed plugins.

#### **Notes**

What is the difference between a 'system plugin' and a 'user installed plugin'?

- System plugins are shipped with the application. These plugins are essential for the functioning of the system. Although you can disable some of them, you should not do so unless instructed by an Atlassian support engineer. *Note:* Not every system plugin can be disabled. You cannot uninstall any system plugins.
- User installed plugins are those which have been installed in the application after it was set up.
   You can install a plugin either by uploading a JAR file or via the Universal Plugin Manager. You can uninstall these plugins.

#### Related Topics

#### Managing plugins

#### Installing a Plugin

This page describes how to install a plugin in Crucible. You can use plugins to customise and extend the functionality of your application.

A number of plugins are available from the <u>Atlassian Plugin Exchange</u>. You can also create your own as described in the <u>Crucible developer's quide</u>.

#### On this page:

- Adding a Plugin from the Atlassian Plugin Exchange
- Uploading your own plugin
- Notes

#### Adding a Plugin from the Atlassian Plugin Exchange

#### To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To find a plugin in the Atlassian Plugin Exchange and add it to Crucible:

- 1. Click the 'Install' tab in the UPM. You will see a list of featured plugins.
- 2. Search for your plugin as follows:
  - Enter some keywords that describe the plugin in the 'Search the Plugin Exchange' search box and press 'Enter'.
  - Alternatively, browse to the desired plugin in the list. You can choose 'Featured', 'Popular', 'Supp orted' (by Atlassian) or 'All available' from the 'Plugins to show' dropdown to see a different list of plugins.
- 3. Click the 'Install' button for the desired plugin to add it to your application. A confirmation message and the plugin details will appear when the plugin is installed successfully.

**Note:** You may need to restart your application for your change to take effect. The Universal Plugin Manager will inform you if this is the case.

**Note:** Not all plugins can be automatically installed. Some required manual installation. These plugins will have a 'Download' button instead of an 'Install' button. In these cases, you should read and follow the plugin's installation instructions.

#### Uploading your own plugin

#### To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

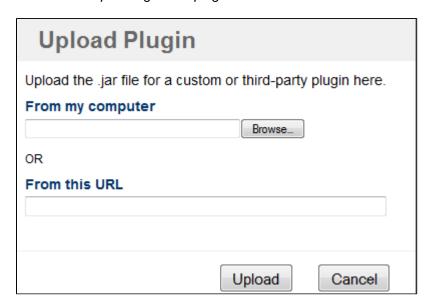
#### To upload your own plugin to Crucible:

1. Click the 'Install' tab in the UPM. You will see a list of featured plugins.

- 2. Click the 'Upload Plugin' link. The 'Upload Plugin' window will appear.
- 3. Specify the location of your plugin:
  - If the plugin you want to install is on your computer, use the 'Browse' dialogue to choose the plugin JAR file.
  - If you want to install a plugin from a remote location, enter the URL of the plugin JAR file in the 'Fr
    om this URL' text box.
- 4. Click the '**Upload**' button to upload and enable your plugin. A confirmation message will appear when the plugin is successfully installed.

**Note:** You may need to restart your application for your change to take effect. The Universal Plugin Manager will inform you if this is the case.

Screenshot: Uploading a new plugin



#### **Notes**

- In Crucible, you can install and uninstall both version 1 and version 2 plugins using the Universal Plugin Manager. You will see an 'Install' or an 'Uninstall' button.
- Some entries that you find listed in the Universal Plugin Manager **are not actually plugins**. These entries will show a 'Download' button which allows you to download the application to your desktop and run it.

Related Topics

#### Managing plugins

# **Configuring a Plugin**

A number of Crucible plugins offer advanced configuration options. If you have one of these plugins installed in your application, you can view and update these configuration options via the Universal Plugin Manager (UPM).

If you would like to disable or enable a plugin, please refer to Disabling or Enabling a Plugin.

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To configure a plugin in Crucible:

- 1. Click the 'Manage Existing' tab.
- 2. Locate the plugin that you want to configure and click its title. The plugin details section will expand.
- 3. Click the 'Configure' link for that plugin.
  - The link will be disabled if the plugin is disabled.
  - If there is no 'Configure' link, then there are no advanced configuration options available for that

plugin.

4. The advanced configuration options for the plugin will appear. Update the configuration settings as desired and save your changes.

**Note:** The advanced configuration screens are provided by the *plugin*. If you encounter any problems after you click the '**Configure**' link, the plugin is responsible for the issue, not the Universal Plugin Manager.

**Related Topics** 

#### Managing plugins

## **Uninstalling a Plugin**

If you wish to completely remove a plugin from Crucible, you can uninstall it via the Universal Plugin Manager (UPM). If you only want to temporarily remove it, you may wish to <u>disable the plugin</u> instead.

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To uninstall a plugin from Crucible:

- 1. Click the 'Manage Existing' tab. You will see a list of the plugins installed in your application.
- 2. Click the name of the plugin that you wish to uninstall. The plugin details will appear.
- 3. Click the 'Uninstall' button. The information summary will display an 'Uninstalling' message and the plugin will be uninstalled from your application.

**Related Topics** 

#### Managing plugins

# Disabling or Enabling a Plugin

The Universal Plugin Manager (UPM) allows you to disable a plugin in Crucible without permanently removing it. You can also enable any plugins that have been previously disabled. If you want to add or remove a plugin from your Crucible site, please refer to <u>Installing a Plugin</u> or <u>Uninstalling a Plugin</u> respectively.

You can also disable all user installed plugins in Crucible, by enabling **safe mode**. This may help you to diagnose a plugin-related problem more easily.

#### On this page:

- Disabling a Plugin
- Enabling a Plugin
- Disabling/Enabling all User Installed Plugins (Safe Mode)

#### Disabling a Plugin

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To disable a plugin in Crucible:

- 1. Click the 'Manage Existing' tab. You will see a list of the plugins installed in your application. Enabled plugins will have this icon:
- 2. Locate the plugin that you want to disable and click the title to expand the plugin details section.
- 3. Click the 'Disable' button.
- 4. Once a plugin has been disabled, you may need to restart your application for your change to take effect.

If so, you will see a message for the plugin, 'Disabled, requires restart'.

Once the plugin is fully disabled, you will see an 'Enable' link for the plugin.

#### **Enabling a Plugin**

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To enable a plugin in Crucible:

- 1. Click the 'Manage Existing' tab. You will see a list of the plugins installed in your application. Disabled plugins will have this icon:
- 2. Locate the plugin that you want to enable and click the title to expand the plugin details section.
- 3. Click the 'Enable' button.
- 4. Once a plugin has been enabled, you *may* need to restart your application for your change to take effect. If so, you will see a message for the plugin, 'Enabled, requires restart'.

  Once the plugin is fully disabled, you will see a '**Disable**' link for the plugin.

#### Disabling/Enabling all User Installed Plugins (Safe Mode)

Running your application in safe mode disables all user installed plugins at once. By 'user installed plugins', we mean plugins that were not shipped with Crucible but were installed later via the UPM.

All plugins that were disabled when you entered safe mode will be re-enabled when you exit safe mode.

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To enable safe mode in Crucible:

- 1. Click the 'Manage Existing' tab. You will see a list of the plugins installed in your application.
- 2. Click the 'Enable Safe Mode' button.
- 3. Click the 'Continue' button in the confirmation window. All user installed plugins will be disabled and your application will now be running in 'Safe Mode'.
- 4. You can now make changes to your installed plugins as desired. For example, you may want to enable/disable specific plugins or plugin modules.
- 5. Exit safe mode by clicking one of the links in the Safe Mode banner:
  - Click 'Exit Safe Mode and restore the previous configuration' to restore your plugin configuration to its state before you entered Safe Mode.
  - Click 'Exit Safe Mode and keep the current configuration' to keep all changes made to your plugin configuration during Safe Mode.

#### **Related Topics**

#### Managing plugins

# **Checking Plugin Compatibility for Crucible Upgrades**

You can use the plugin manager's '**Upgrade Check**' to verify that your plugins will still work after a Crucible upgrade.

For example, if you are thinking of upgrading from Crucible 2.5 to Crucible 2.6, the upgrade check can tell you the following:

• Installed plugins that are compatible with Crucible 2.5 and Crucible 2.6.

- Installed plugins that are not compatible with Crucible 2.6 but will be compatible with Crucible 2.6 if you upgrade them.
- Installed plugins that are not compatible with Crucible 2.6, even if you upgrade them to their latest version.

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To check the compatibility of your plugins against different Crucible versions:

- 1. Click the 'Upgrade Check' tab.
- 2. In the 'Check compatibility for' dropdown menu, select the version of your application to check the plugins against.
- 3. Click the 'Check' button.
- 4. The page display any of your installed plugins that are not compatible with the selected application version. The compatibility checker will also check the compatibility of the latest available version of each plugin (if not already upgraded). You can click on the name of any of the plugins to view more information about the plugin.

The plugins are grouped into sections under the following headings:

- **Incompatible** The installed versions of these plugins are not compatible with the selected application version. There are currently no plugin upgrades available that are compatible with the selected application version.
- Compatible, if upgraded The installed versions of these plugins are not compatible with the selected application version. However, the plugins will be compatible if you upgrade them. There are buttons allowing you to upgrade these plugins.
- Compatible if both <the application> and the plugin are upgraded The installed versions of these plugins are not compatible with the selected application version. There is a plugin compatible with the newer application version, but it is not compatible with the application version you are currently running. You must upgrade the application and *then* upgrade the plugin. There are buttons allowing you to disable these plugins before proceeding with the upgrade.
- **Compatible** The currently installed versions of these plugins are compatible with the selected application version.
- Unknown These plugins may or may not be compatible with the selected application version. If a
  plugin is not registered with the <u>Atlassian Plugin Exchange</u>, the Universal Plugin Manager cannot
  check its compatibility with different application versions.

#### **Related Topics**

#### Managing plugins

# **Upgrading your Existing Plugins**

Plugins are often developed separately from Crucible. You may wish to upgrade your plugins to more recent versions to allow them to work with your Crucible version or simply to take advantage of new features in a plugin version. The Universal Plugin Manager (UPM) provides you with a list of plugins that have available upgrades and allows you to upgrade each plugin individually or in bulk.

#### On this page:

- Upgrading a Plugin
- Upgrading All your Plugins
- Notes

#### **Upgrading a Plugin**

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To upgrade a plugin in Crucible:

- 1. Click the 'Upgrade' tab. The plugin upgrades page will appear.
  - If there is a later version of a plugin that you have already installed, this page will show the latest compatible version of the plugin.
  - You can click the plugin name to expand the row and see more information about the plugin.
  - You can filter your list by entering keywords in the 'Filter plugins' text box.
- 2. Click the 'Upgrade Now' button next to the relevant plugin to update it to the plugin version shown.

#### **Upgrading All your Plugins**

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To upgrade all available plugins in Crucible:

- 1. Click the 'Upgrade' tab. The plugin upgrades page will appear.
  - If there is a later version of a plugin that you have already installed, this page will show the latest compatible version of the plugin.
  - You can click the plugin name to expand the row and see more information about the plugin.
  - You can filter your list by entering keywords in the 'Filter plugins' text box.
- 2. Click the '**Upgrade All**' button to update every plugin to the plugin versions shown.

**Note:** Some plugins cannot be installed via the Universal Plugin Manager. You must install these plugins manually. These plugins will not be upgraded automatically.

#### **Notes**

• If you are considering upgrading Crucible, you can use the Universal Plugin Manager to check the compatibility of your plugins with your desired Crucible version. See <a href="Checking Plugin Compatibility for Crucible Upgrades">Crucible Upgrades</a>.

#### **Related Topics**

#### Managing plugins

# Viewing the Plugin Audit Log

The Universal Plugin Manager (UPM) keeps a log of all plugin activity for your Crucible site. Such activities may be adding plugins, enabling plugins, and so on. You can adjust the period of time for which log entries are kept.

#### On this page:

- Viewing the Plugin Audit Log
- Configuring the Plugin Audit Log

#### Viewing the Plugin Audit Log

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To view the plugin audit log:

- 1. Click the 'Audit Log' tab. The plugin audit log will appear, showing the 25 most recent entries.
- 2. Use the arrows if you want to view older entries.
- 3. Click the orange RSS icon if you want to receive the audit log activity in an RSS feed.

#### **Configuring the Plugin Audit Log**

# To access the Universal Plugin Manager in Crucible:

- 1. Log in as an administrator and go to the Crucible administration screen.
- 2. Click 'Plugins' in the left-hand menu.

#### To configure the length of time for which log entries are kept:

- 1. Click the 'Audit Log' tab. The plugin audit log will appear.
- 2. Click the 'Configure purge policy' link.
- 3. In the 'Purge audit log after' field, specify the number of days for which you wish to keep the logs.
- 4. Click the 'Confirm' button.

**Related Topics** 

#### Managing plugins

# Migrating to an External Database

This page contains information about migrating Crucible from its default embedded HSQL database to an external database. Advantages of using a database other than the embedded HSQL database include:

- Improved Protection Against Data Loss: The Crucible built-in database, running <u>HSQLDB</u> is somewhat susceptible to data loss during system crashes. External databases are generally more resistant to data loss during a system crash. HSQLDB is not supported in production environments and should only be used for evaluation purposes.
- **Performance & Scalability**: if you have many users on your Crucible instance, running the database on the same server as FishEye may slow it down. When using the embedded database, the database will always be hosted and run on the same server as Crucible.
- Data Stored in the Crucible Database: The Crucible database stores all information besides the cache
  for repository scans. This means all reviews, comments, review states, user data and user preferences
  information.

#### On this page:

- Supported Databases
- Support for Other Databases
- Notes

#### **Supported Databases**

You can use a number of alternatives to the built-in HSQLDB database for storing FishEye and Crucible's relational data. The supported alternative databases are listed on the <u>Supported Platforms</u> page. Please note, that only the database versions listed on that page are supported.

The pages linked below outline the steps required to switch to an external database:

- Migrating to MySQL Enterprise Server
- Migrating to Oracle
- Migrating to PostgreSQL
- Migrating to SQL Server

#### Support for Other Databases

If you are using another database product that you would like to see supported, please create a <u>JIRA issue</u> for it under the Crucible project.

#### **Notes**

Crucible uses Read Committed transaction isolation. There is no requirement to configure this explicitly when setting up an external database - Crucible will configure the transaction isolation when connecting to the database.

### Migrating to MySQL Enterprise Server

To switch to a MySQL Enterprise Server, install MySQL Enterprise Server and then follow the steps below. Please note that during the migration of database servers, the FishEye/Crucible instance will not be available to users or to external API clients.

#### **Prerequisites**

Before you begin:

- 1. Install a *supported version* of MySQL. Check the <u>Supported platforms</u> page for the exact versions that are supported.
- Download and install the JDBC driver, as follows (unless you have already done so). Note, the JDBC driver for MySQL Enterprise Server is not bundled with FishEye/Crucible (due to licensing restrictions).
  - a. Download the MySQL Connector/J JDBC driver from the MySQL download website.
  - b. Expand the downloaded zip/tar.gz file.
  - c. Copy the .jar file to your FISHEYE\_INST/lib directory. If the lib/ directory doesn't already exist, you will need to create it.
  - d. Restart FishEye/Crucible.

#### On this page:

- Prerequisites
- Step 1. Create a MySQL Database
- Step 2. Configure FishEye/Crucible to use MySQL, and Migrate Data

#### Related pages:

- Migrating to PostgreSQL
- Migrating to Oracle
- Migrating to SQL Server
- Migrating to an external database
- Troubleshooting Databases

#### Step 1. Create a MySQL Database

1. Create a UTF-8 Database:

CREATE DATABASE fisheye CHARACTER SET utf8 COLLATE utf8\_bin;

2. You will also need to set the Server Characterset to utf8. This can be done by adding the following in my.ini for Windows or my.cnf for other operating systems (create the file at /etc/my.cnf if it doesn't already exist). It has to be declared in the Server section, which is the section after [mysqld]:

```
[mysqld]
character-set-server=utf8
```

3. Use the status command to verify database character encoding information. First select the fisheye database: mysql> use fisheye;

Then issue the mysql> status; command:

Screenshot: Using the MySQL Enterprise Server Status Command

```
mysql> status
/Applications/xampp/xamppfiles/bin/mysql Ver 14.12 Distrib 5.0.67, for apple-da
rwin8.11.1 (i686) using EditLine wrapper
                        5764
Connection id:
Current database:
Current user:
                        root@localhost
SSL:
                        Not in use
Current pager:
                        stdout
Using outfile:
Using delimiter:
Server version:
                        5.0.67 Source distribution
Protocol version:
                        10
                              est via UNIX socket
                        utf8
Server characterset:
      characterset:
          racterset
Conn. characterset:
                        latin1
                        /Applications/xampp/xamppfiles/var/mysql/mysql.sock
UNIX socket:
Uptime:
                        29 days 1 hour 34 min 56 sec
Threads: 6  Questions: 49238134  Slow queries: 0  Opens: 460445  Flush tables: 1
  Open tables: 4 Queries per second avg: 19.607
mysql>
```

4. Create a user that can log in from the host that FishEye/Crucible is running on and make sure that the user has full access to the newly created database. In particular, the user should be allowed to create and drop tables, indexes and other constraints.

For instance, when FishEye/Crucible and MySQL Enterprise Server run on the same machine (accessible through localhost), issue the following commands (replacing username and password with the appropriate values):

```
mysql> grant all on fisheye.* to 'username'@'localhost' identified
by 'password';
Query OK, 0 rows affected (0.00 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.01 sec)
```

#### Step 2. Configure FishEye/Crucible to use MySQL, and Migrate Data

In order to migrate to a different database backend, you must create a backup of sql data, configure the database and finally import the data via a backup restoration process. This can be done from either the FishEye/Crucible administration console, which streamlines the process, or via the command line tool which FishEye/Crucible provides.

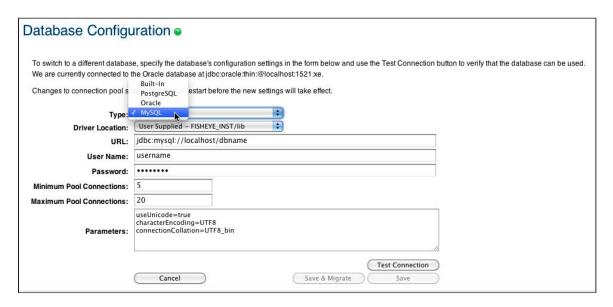
#### From FishEye/Crucible's Administration

- 1. Navigate to the Database page in FishEye/Crucible's Administration console
- 2. Then click 'Test Connection' to verify that FishEye/Crucible can log in to the database:
- 3. Select MySQL from the database type
- 4. Fill in the appropriate fields, replacing the host, port, database name, username and password as

required

5. Click on Test Connection to validate the values

Screenshot: Testing the Connection



If this fails, verify that you have the MySQL Enterprise Server JDBC driver . jar file in the classpath (see <a href="Prerequisites">Prerequisites</a> section above for instructions on how to install the driver). Also, ensure that the database user can log in to the database from the machine that FishEye/Crucible is running on and that all the required privileges are present.

6. Click 'Save & Migrate Data' to start the migration process.

During the migration process (which will take several minutes, depending on the size of your database and network throughput), the product will be inaccessible to users and external API clients. Users will see a maintenance screen that informs them of the process. Should the migration fail for any reason, FishEye/Crucible will not switch to the new database and report on the encountered problems. Because the destination database may now contain some, but not yet all data, drop all tables, indexes and constraints before attempting a new migration.

Screenshot: Migrating the Database

```
Migrating Database...

From: jdbc:hsqldb:file:/Users/ervzijst/cenqua/demotion/var/data/crudb/crucible

To: jdbc:mysql://localhost/crucible

Started
Creating table definitions...
1 rows written, 0 tables completed.
9 rows written, 1 tables completed.
2328 rows written, 2 tables completed.
1327 rows written, 2 tables completed.
11143 rows written, 3 tables completed.
112740 rows written, 4 tables completed.
12779 rows written, 4 tables completed.
130492 rows written, 5 tables completed.
30497 rows written, 5 tables completed.
30497 rows written, 5 tables completed.
30497 rows written, 6 tables completed.
```

#### From the command line

- 1. Create a backup of the sql data from the FishEye/Crucible instance. Read <u>Backing up and restoring</u> <u>FishEye data</u> and <u>Backing up and restoring Crucible data</u> for information on how to create a backup.
- 2. Run the following command from the bin directory in FISHEYE\_INST

3. When the import is complete, FishEye/Crucible can be started and will use MySQL.

### **Migrating to Oracle**

To switch to an Oracle database, install Oracle and follow the steps below. Please note that during the migration of database servers, the FishEye/Crucible instance will not be available to users or to external API clients.

Oracle support for FishEye/Crucible and Crucible was introduced in version 2.5.0. In order to migrate to Oracle, your instance must be currently running at least version 2.5. If you are running an older version, then you will be required to first upgrade FishEye/Crucible and then migrate.

#### On this page:

- Step 1. Install and Create a Oracle Database
- Step 2. Configure FishEye/Crucible to use Oracle, and Migrate Data

#### Related pages:

- Migrating to MySQL Enterprise Server
- Migrating to PostgreSQL
- Migrating to SQL Server
- Migrating to an external database
- Troubleshooting Databases

#### Step 1. Install and Create a Oracle Database

- 1. The JDBC drivers for Oracle are bundled with FishEye/Crucible. Skip to step 2 if this meets your needs. If you want to install a specific, different version of the bundled JDBC driver, download the download the Oracle JDBC driver . jar file from the Oracle website (hhttp://www.oracle.com/technetwork/database/features/jdbc/index-091264.html) and copy the . jar file to your FISHEYE\_INST/lib directory (create the lib/ directory if it doesn't already exist). Move the existing JDBC . jar file to another location (and back it up). Restart FishEye/Crucible to have it pick up the new driver.
- Because creating a database with Oracle is a complex process, we recommend speaking to your resident DBA for creation of a new database for usage with Crucible. We highly recommend installing Oracle with the AL32UTF8 encoding otherwise you may see encoding issues in the product.

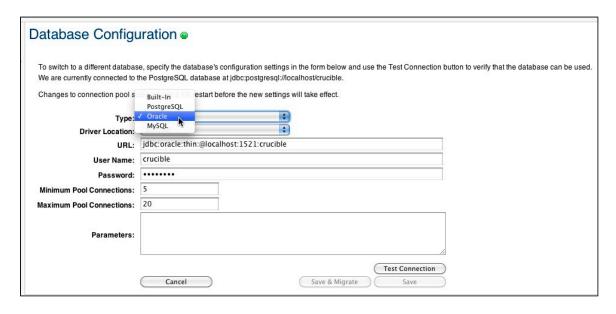
#### Step 2. Configure FishEye/Crucible to use Oracle, and Migrate Data

In order to migrate to a different database backend, you must create a backup of sql data, configure the database and finally import the data via a backup restoration process. This can be done from either the FishEye/Crucible administration console, which streamlines the process, or via the command line tool which FishEye/Crucible provides.

#### From FishEye/Crucible's Administration

- 1. Navigate to the Database page in FishEye/Crucible's Administration console
- 2. Then click 'Test Connection' to verify that FishEye/Crucible can log in to the database:
- 3. Select Oracle from the database type
- 4. Fill in the appropriate fields, replacing the host, port, database name, username and password as required
- 5. Click on Test Connection to validate the values

Screenshot: Testing the Connection

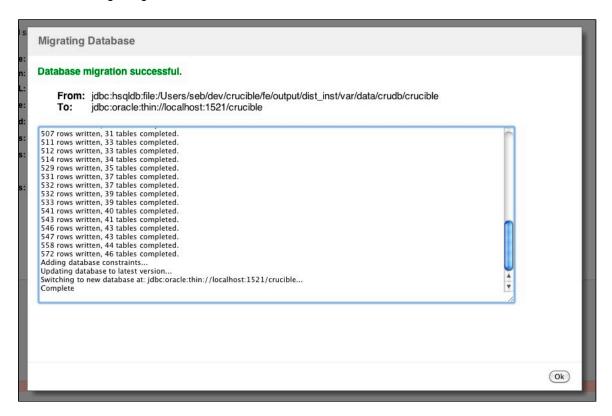


If this fails, verify that you have the Oracle JDBC driver . jar file in the classpath (by placing the . jar file in FISHEYE\_INST/lib). Also, ensure that the database user can log in to the database from the machine that FishEye/Crucible is running on and that all the required privileges are present.

6. Click 'Save & Migrate Data' to start the migration process.

During the migration process (which will take several minutes, depending on the size of your database and network throughput), the product will be inaccessible to users and external API clients. Users will see a maintenance screen that informs them of the process. Should the migration fail for any reason, FishEye/Crucible will not switch to the new database and report on the encountered problems. Because the destination database may now contain some, but not yet all data, drop all tables, indexes and constraints before attempting a new migration.

Screenshot: Migrating the Database



#### From the command line

- 1. Create a backup of the sql data from the FishEye/Crucible instance. Information on how to create a backup can be found at Backing up and restoring FishEye data \ Backing Up and Restoring Crucible Data
- 2. Run the following command from the bin directory in FISHEYE INST

3. When the import is complete, FishEye/Crucible can be started and will use Oracle.

# Migrating to PostgreSQL

To switch to a PostgreSQL database, install PostgreSQL and follow the steps below. Please note that during the migration of database servers, the FishEye/Crucible instance will not be available to users or to external API

clients.

#### On this page:

- Step 1. Install and Create a PostgreSQL Database
- Step 2. Configure FishEye/Crucible to use PostgreSQL, and Migrate Data

#### Related pages:

- Migrating to MySQL Enterprise Server
- Migrating to Oracle
- Migrating to SQL Server
- Migrating to an external database
- Troubleshooting Databases

#### Step 1. Install and Create a PostgreSQL Database

- 1. The JDBC drivers for PostgreSQL are bundled with FishEye/Crucible. Skip to <u>Step 2</u> if this meets your needs. If you want to install a specific, different version of the bundled JDBC driver, download the download the PostgreSQL JDBC driver . jar file from the <u>PostgreSQL website</u> and copy the . jar file to your FISHEYE\_INST/lib directory (create the lib/ directory if it doesn't already exist). Move the existing JDBC . jar file to another location (and back it up). Restart FishEye/Crucible to have it pick up the new driver.
- 2. Create a new database user (replacing 'username' and 'password' with the appropriate values):

```
$ psql
> create user username password 'password';
```

3. Create a UTF-8 database and make the newly created user the owner:

```
> create database crucible ENCODING 'UTF-8' OWNER username;
```

4. Make sure the user has full access to the database:

```
> grant all on database crucible to username;
```

#### Step 2. Configure FishEye/Crucible to use PostgreSQL, and Migrate Data

In order to migrate to a different database backend, you must create a backup of sql data, configure the database and finally import the data via a backup restoration process. This can be done from either the FishEye/Crucible administration console, which streamlines the process, or via the command line tool which FishEye/Crucible provides.

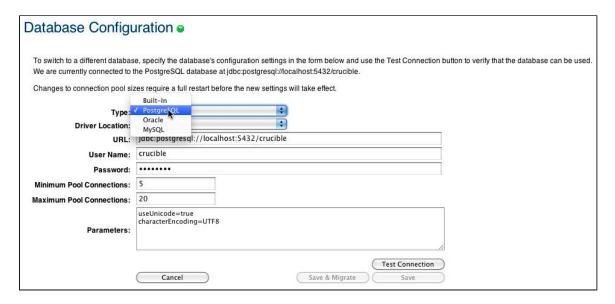
#### From FishEye/Crucible's Administration

- 1. Navigate to the Database page in FishEye/Crucible's Administration console.
- First click Edit and then click Test Connection to verify that FishEye/Crucible can log in to the existing database.
- 3. Select PostgreSQL from the database Type.
- 4. Fill in the appropriate fields:

- a. Driver Location: either your own PostgreSQL JDBC or the Bundled one that came with FishEye
- b. URL: create this field by replacing the host, port, and database name with your own
   (i.e. jdbc:postgresql://localhost:5432/<dbname> e.g. jdbc:postgresql://localhost:5432/crucible)
- c. Username: your DB usernamed. Password: your DB password
- e. Minimum Pool Connections: 5 is the defaultf. Maximum Pool Connections: 20 is the default
- g. **Parameters**: (one per line)
  i. useUnicode=true
  - ii. characterEncoding=UTF8

#### 5. Click **Test Connection** to validate the values.

Screenshot: Testing the Connection

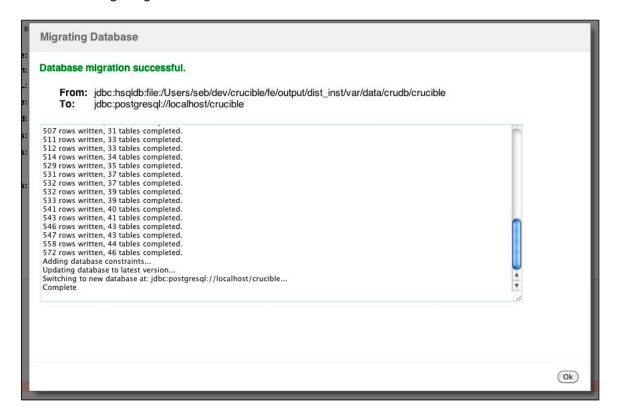


If this fails, verify that you have the PostgreSQL JDBC driver . jar file in the classpath (by placing the . jar file in FISHEYE\_INST/lib). Also, ensure that the database user can log in to the database from the machine that FishEye/Crucible is running on and that all the required privileges are present.

6. Click Save & Migrate to start the migration process.

During the migration process (which will take several minutes, depending on the size of your database and network throughput), the product will be inaccessible to users and external API clients. Users will see a maintenance screen that informs them of the process. Should the migration fail for any reason, FishEye/Crucible will not switch to the new database and report on the encountered problems. Because the destination database may now contain some, but not yet all data, drop all tables, indexes and constraints before attempting a new migration.

#### Screenshot: Migrating the Database



#### From the command line

- 1. Create a backup of the sql data from the FishEye/Crucible instance. Information on how to create a backup can be found at <u>Backing up and restoring FishEye data</u> / <u>Backing up and restoring Crucible data</u>.
- 2. Run the following command from the bin directory in FISHEYE\_INST:

3. When the import is complete, FishEye/Crucible can be started and will use PostgreSQL.

# Migrating to SQL Server

To migrate FishEye/Crucible to an SQL Server database, install SQL Server and follow the steps below.

#### On this page:

- Before You Begin
- Step 1. Install and Create an SQL Server Database
- Step 2. Configure FishEye/Crucible to Use SQL Server and Migrate Data

#### Related pages:

- Migrating to MySQL Enterprise Server
- Migrating to PostgreSQL
- Migrating to SQL Server
- Migrating to an external database
- Troubleshooting Databases

#### **Before You Begin**

Check that you are using version of SQL Server that is supported for use with FishEye. See <u>Supported platforms</u>.

An existing Java bug prevents connection with Java 1.6.0\_29 and above (including Java 1.7.0). Read more about the issue and possible workarounds <u>here</u>.

#### Step 1. Install and Create an SQL Server Database

See the <u>SQL Server Online resources (MSDN)</u> for instructions on how to install and create an SQL Server database.

Please note the following FishEye/Crucible-specific information when installing and creating an SQL Server database:

- The JDBC jtds drivers for SQLServer are bundled with Crucible. We do not support using the Microsoft distributed jdbc driver.
- Your database server must be configured to use the Latin1\_General\_CS\_AS collation set.

#### Step 2. Configure FishEye/Crucible to Use SQL Server and Migrate Data

In order to migrate to a different database backend, you must create a backup of SQL data, configure the database and finally import the data via a backup restoration process. This can be done from either the Crucible administration console, which streamlines the process, or via the command line tool which Crucible provides. These two methods are described below. The following resources may be of interest:

- Backing up and restoring FishEye data
- Backing up and restoring Crucible data
- SQL Server Online resources (MSDN)

# [ Configuring and Migrating via FishEye/Crucible's Administration Console ] [ Configuring and Migrating via the Command Line ]

#### Configuring and Migrating via FishEye/Crucible's Administration Console

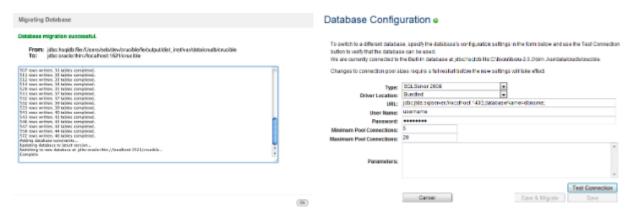
Before you begin:

- Note, during the migration process (which will take several minutes, depending on the size of your database and network throughput), the FishEye/Crucible instance will be inaccessible to users and external API clients. Users will see a maintenance screen that informs them of the process.
- If you are attempting a migration after a previous migration has failed, you must drop all tables, indexes and constraints before attempting a new migration. This is because the destination database may contain data from the previous migration attempt.
- Verify that you have the jtds JDBC driver . jar file in the classpath (by placing the . jar file in FISHEYE\_ INST/lib).

 Ensure that the database user can log in to the database from the machine that FishEye/Crucible is running on and that all the required privileges are present.

#### To configure FishEye/Crucible to use SQL Server and migrate data using the Administration Console:

- 1. Navigate to the 'Database' page in FishEye/Crucible's Administration console.
- 2. Configure FishEye/Crucible to use SQL Server, as follows:
  - Select 'SQLServer' from the 'Type' dropdown.
  - Complete the appropriate fields, replacing the 'URL' (host, port and database name), 'User Name' and 'Password' as required.
    - NOTE: The default SQL server instance listens on port 1433. If your instance is not the default, use the port number that is associated with your particular instance.
    - e.g. **URL:** jdbc:jtds:sqlserver://localhost:1433;databaseName=your database name here;
- 3. Click '**Test Connection**' to verify that FishEye/Crucible can log in to the database (see 'Testing the Connection' screenshot below).
- Click 'Save & Migrate Data' to start the migration process (see 'Migrating the Database' screenshot below). If the migration fails, FishEye/Crucible will not switch to the new database and will report the problems encountered.



2. Migrating Data

1. Configuring the Database

Screenshots above: Configuring FishEye/Crucible to use SQL Server and migrating data (click to view full-size images)

#### **Configuring and Migrating via the Command Line**

#### To configure FishEye/Crucible to use SQL Server and migrate data using the Command Line:

- 1. Create a backup of the sql data from the FishEye/Crucible instance. Information on how to create a backup can be found at <u>Backing up and restoring FishEye data</u> \ <u>Backing up and restoring Crucible data</u>
- 2. Run the following command from the bin directory in FISHEYE\_INST:

3. When the import is complete, FishEye/Crucible can be started and will use SQLServer.

# [ Configuring and Migrating via FishEye/Crucible's

# Administration Console ] [ Configuring and Migrating via the Command Line ]

# **Integrating Crucible with Other Applications**

- JIRA Integration in Crucible
- Configuring Application Links
- Trusted Applications

#### JIRA Integration in Crucible

<u>JIRA</u> is Atlassian's issue tracking and project management application. This page describes how to integrate JIRA with Crucible.

#### Initial configuration in JIRA

Configure the following setting in JIRA:

Allow remote API access

Consider also the following settings, to make full use of the integration between Crucible and JIRA:

- Enable subtasks
- Allow unassigned issues

#### On this page:

- Initial configuration in JIRA
- Quick setup using the Crucible Setup Wizard
- JIRA integration in Crucible
  - 1. Configuring an application link with JIRA
  - 2. Connecting to JIRA for user management
- Obtaining subtask values for Crucible configuration

#### Related pages:

- <u>User Management Limitations and Recommendations</u>
- Configuring Application Links

#### **Quick setup using the Crucible Setup Wizard**

When you are installing the application, the setup wizard gives you the opportunity to configure the JIRA connection automatically. This is a quick way of setting up your JIRA integration with the most common options. See <u>Configuring JIRA Integration in the Setup Wizard</u>.

If you did not set up the JIRA integration during the Crucible setup, you can configure the integration using the Crucible administration screens as described below.

#### JIRA integration in Crucible

You can further configure the JIRA connections using the Crucible administration screens. There are two parts to the integration process:

- A peer-to-peer link between JIRA and Crucible for sharing information and facilitating integration features. This link is set up using Application Links.
- A client-server link between Crucible and JIRA for delegating user and group management to your JIRA server.

#### 1. Configuring an application link with JIRA

This section describes how to create a two-way trusted applications link between Crucible and JIRA. We assume that your Crucible and JIRA servers are using the same set of users. If not, please refer to <u>Adding an Application Link</u> for information about the various options available.

#### To add a two-way trusted applications link between Crucible and JIRA:

- 1. Go to your Crucible administration screen and click Application Links (under 'Global Settings').
- 2. Now:
  - a. Click 'Add Application Link'. Step 1 of the link wizard will appear.
  - b. Enter the **server URL** of the application that you want to link to (the 'remote application').
  - c. Click the 'Next' button.
  - d. Enter the following information:
    - 'Create a link back to this server' Tick this check box to add a two-way link between the two applications.
    - 'Username' and 'Password' Enter the credentials for a username that has administrator access to the remote application.
      - *Note:* These credentials are only used to authenticate you to the remote application, so that Application Links can make the changes required for the new link. The credentials are not saved.
    - 'Reciprocal Link URL' The URL you give here will override the base URL specified in your remote application's administration console, for the purposes of the application links connection. Application Links will use this URL to access the remote application.
  - e. Click the 'Next' button.
  - f. Enter the information required to configure authentication for your application link:
    - 'The servers have the same set of users' Tick this check box, because the users are the same in both applications.
    - 'These servers fully trust each other' Tick this check box, because you trust the code in both applications and are sure both applications will maintain the security of their private keys.
      - For more information about configuring authentication, see <u>Configuring Authentication for an Application Link</u>.
  - g. Click the 'Create' button to create the application link.

#### 2. Connecting to JIRA for user management

This option is available only with JIRA 4.3 and later.

To manage your Crucible users using JIRA, configure a connection in JIRA and then set up the user directory in Crucible. Both steps are described below.

#### 2.1. To configure a new connection for user management in JIRA:

- 1. Log in to JIRA as a user with the 'JIRA System Administrators' global permission.
- 2. Click **Administration** on the JIRA top navigation bar.
  - a. Go to the JIRA administration screen for configuring the applications that have been set up to use JIRA for user management:
    - In JIRA 4.3: Click 'Other Applications' in the 'Users, Groups & Roles' section of the JIRA administration screen.
    - In JIRA 4.4: Select 'Administration' > 'Users' > 'JIRA User Server'.
  - b. **Add** an application.
  - c. Enter the application name and password that your application will use when accessing JIRA.
  - d. Enter the **IP address** or addresses of your application. Valid values are:
    - A full IP address, e.g. 192.168.10.12.
    - A wildcard IP range, using CIDR notation, e.g. 192.168.10.1/16. For more information, see the introduction to <u>CIDR notation on Wikipedia</u> and <u>RFC 4632</u>.

• Save the new application.

#### 2.2. To set up the JIRA user directory in Crucible:

Go to your Crucible administration screen.

- 1. Click Authentication (under 'Security Settings').
- 2. Click **Setup JIRA/Crowd authentication**. Note, if LDAP authentication has already been set up, you will need to remove that before connecting to JIRA for user management.
- 3. Make the following settings:

Authenticate against	Select a JIRA instance	
Application name and password	Enter the values that you defined for your application in the settings on JIRA.	
JIRA URL	The web address of your JIRA server. Examples:	
	http://www.example.com:808 0/jira/ http://jira.example.com	
Auto-add	Select Create a FishEye user on successful login so that your JIRA users will be automatically added as a FishEye user when they first log in.	
Periodically synchronise users with JIRA	Select <b>Yes</b> to ensure that JIRA will synchronize all changes in the user information on a regular basis. Change the value for <b>Synchronise Period</b> if required.	
When Synchronisation Happens	Select an option depending on whether you want to allow changes to user attributes from within FishEye.	
Single Sign On	Select <b>Disabled</b> . SSO is not available when using JIRA for user management and if enabled will make the integration fail.	

- 4. Click **Next** and select at least one user group to be synchronised from JIRA. If necessary, you could create a new group in JIRA, such as 'fisheye-users', and select this group here.
- 5. Click Save.

#### Obtaining subtask values for Crucible configuration

The subtask ID is required (along with the subtask resolution ID and the subtask resolution action ID) to enable the creation of issues from a Crucible comment. This is the subtask type that will be created when you create a JIRA subtask in Crucible.

#### To set this up in Crucible:

- 1. Enable subtasks on your JIRA site. See the <u>JIRA documentation</u>.
- 2. Return to the Crucible admin area and click Application Links (under 'Global Settings').
- 3. Click JIRA Settings next to the application link for the required JIRA server.
- 4. Click Test. You can now choose values for Subtask Type ID and Subtask Resolution.

A Note that you will need to select a subtask type that does not have a required field (due to CRUC-266)

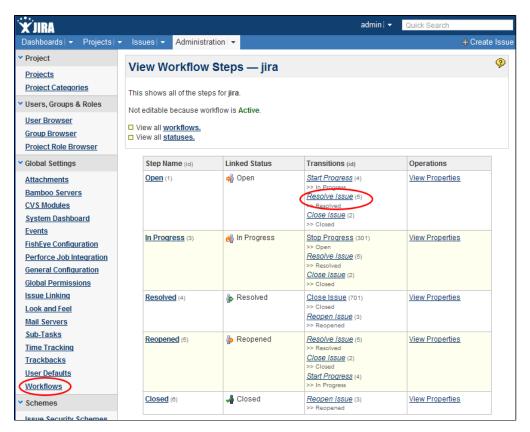
- 7) Our suggested workarounds at this time are:
  - Set a default value for the required fields, or
  - Create a separate issue type, eg "Crucible Subtask" that has a workflow that suits Crucible (e.g.
    Open > Close with no required fields). This avoids changing existing workflows, and makes it more
    obvious in JIRA that it has a looser workflow.
- 5. Click Save.
- 6. Open your JIRA site and go to Administration > Workflows. By default, the 'JIRA' workflow is displayed.
- 7. Click **Steps** in the far right table cell.
- 8. The **Subtask Resolution Action ID** value is the number in brackets beside *Resolve Issue* in the 'Open' row, under the 'Transitions' column. This is shown in the screenshot below with a value of 5. Enter the ID number into the **Subtask Resolution Action ID** field in Crucible.
- 9. Save your Crucible configuration settings.

Screenshot: Choosing subtask values in Crucible

# Update JIRA Server

Server Details		
Name:	JAC	
Authentication		
	Use Basic Authentication	
Username:		
Password:		
Subtask Settings		
Leave these fields blank to disable subtasks.		
Subtask Type ID:		
Subtask Resolution Action ID:		
Subtask Resolution ID:		
Allow Unassigned:	Yes  ○ No	
Pressing 'Test' will retrieve subtask types and resolutions from JIRA.		
Test	Save Cancel	

Screenshot: Obtaining the subtask resolution action ID



#### **User Management Limitations and Recommendations**

This page describes the optimal configurations and limitations that apply when you are connecting Crucible to JIRA for user management.

#### On this page:

- Recommendations for Connecting to JIRA for User Management
  - Single Sign-On Across Multiple Applications is Not Supported
  - Custom Application Connectors are Not Supported
  - Custom Directories are Not Supported
  - Optimal Number of Users and Applications
  - Recommendations

#### Recommendations for Connecting to JIRA for User Management

# Please consider the following limitations and recommendations when connecting to a JIRA server for user management.

#### Single Sign-On Across Multiple Applications is Not Supported

When you connect to JIRA for user management, you will not have single sign-on across the applications connected in this way. JIRA, when acting as a directory manager, does not support SSO.

#### **Custom Application Connectors are Not Supported**

JIRA, Confluence, FishEye, Crucible and Bamboo can connect to a JIRA server for user management. Custom application connectors will need to use the new REST API.

#### **Custom Directories are Not Supported**

Earlier versions of JIRA supported OSUser Providers. It was therefore possible write a special provider to obtain

user information from any external user directory. This is no longer the case.

#### Optimal Number of Users and Applications

Please consider the following limitations when connecting to a JIRA server for user management:

- Maximum 500 users.
- Maximum 5 connected applications.

#### Recommendations

Your environment	Recommendation
<ul> <li>If all the following are true:</li> <li>You have fewer than 500 users.</li> <li>You want to share user and group management across just a few applications, such as one JIRA server and one Confluence server, or two JIRA servers.</li> <li>You do not need single sign-on (SSO) between JIRA and Confluence, or between two JIRA servers.</li> <li>You do not have custom application connectors. Or, if you do have them, you are happy to convert them to use the new REST API.</li> <li>You are happy to shut down all your servers when you need to upgrade JIRA.</li> </ul>	Your environment meets the optimal requirements for using JIRA for user management.
<ul> <li>If one or more of the following are true:</li> <li>You have more than 500 users.</li> <li>You want to share user and group management across more than 5 applications.</li> <li>You need single sign-on (SSO) across multiple applications.</li> <li>You have custom applications integrated via the Crowd SOAP API, and you cannot convert them to use the new REST API.</li> <li>You are not happy to shut down all your servers when you need to upgrade JIRA.</li> </ul>	We recommend that you install Atlassian Crowd for user management and SSO.

If you are considering creating a custom directory connector to define your own storage for users and groups...

Please see if one of the following solutions will work for you:

- If you have written a custom provider to support a specific LDAP schema, please check the supported LDAP schemas to see if you can use one of them instead.
- If you have written a custom provider to support nested groups, please consider enabling nested groups in the supported directory connectors instead.
- If you have written a custom provider to connect to your own database, please consider loading the data into the application's database instead.
- If you need to keep the custom directory connection, please consider whether <u>Atlassian</u> <u>Crowd</u> meets your requirements. See the documentation on <u>Creating a Custom Directory</u> <u>Connector</u>.

#### Related Topics

#### JIRA Integration in Crucible

# **Configuring Application Links**

An application link is a trust relationship between two applications. Linking two applications allows you to share information and to access one application's functions from within the other.

For example, you may want to set up a trust relationship between Crucible and two JIRA servers.



Screenshot above: Application links to two JIRA servers

#### **Related Topics**

- Adding an Application Link
- Configuring Authentication for an Application Link
- Deleting an Application Link
- Editing an Application Link
- Making an application link the primary link
- Relocating an Application Link
- Upgrading an Application Link
- Configuring Project Links across Applications

#### Adding an Application Link

This page describes how to add a new application link in Crucible. The process for adding an application link is different depending on whether or not the application you are linking Crucible to supports Atlassian's Application Links.

If you are linking Crucible to an application that does not have Application Links, you will need to do additional configuration in that application. This is because Application Links in Crucible will not be able to automatically configure authentication in your remote application.

#### On this page:

- Before You Begin
- Adding an Application Link to an Application that Supports Application Links
- Adding an Application Link to an Application that Does Not Support Application Links

#### **Before You Begin**

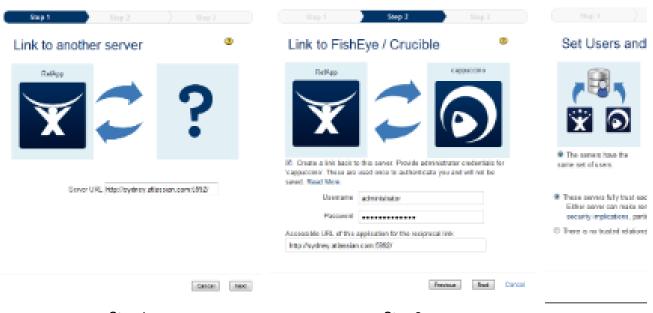
Check the following settings. This is required for synchronisation to work correctly:

- Make sure that the base URL is set correctly in Crucible. See the <u>FishEye documentation on configuring</u> the web server.
- Make sure that the base URL is set correctly in the application which you intend to link to. See the
  appropriate instructions for <u>JIRA</u>, <u>FishEye</u>, <u>Bamboo</u>, <u>Confluence</u>.

#### Adding an Application Link to an Application that Supports Application Links

#### To link to an application that supports Application Links:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click 'Add Application Link'. Step 1 of the link wizard will appear.
- 3. Enter the server URL of the application that you want to link to (the 'remote application').
- 4. Click the 'Next' button. Step 2 of the link wizard will appear.
- 5. Enter the following information:
  - 'Create a link back to this server' Tick this check box if you want to create a two-way link between the remote application and your application. If you want to do this, you will need to enter the username and password of an administrator for the remote application.
     Note: These credentials are only used to authenticate you to the remote application, so that Application Links can make the changes required for the new link. The credentials are not saved.
  - 'Reciprocal Link URL' The URL you give here will override the base URL specified in your remote application's administration console, for the purposes of the application links connection. Application Links will use this URL to access the remote application.
- 6. Click the 'Next' button. Step 3 of the link wizard will appear.
- 7. Enter the information required to configure authentication for your application link:
  - 'The servers have the same set of users' or 'The servers have different sets of users' Select one of these options depending on how you manage users between the two applications.
  - 'These servers fully trust each other' Tick this check box if you know that the code in both
    applications will behave itself at all times and are sure each application will maintain the security of
    its private key.
    - For more information about configuring authentication, see <u>Configuring Authentication for an Application Link</u>.
- 8. Click the 'Create' button to create the application link.



Step 1 Step 2

Screenshots above: Adding an application link to an application that supports Application Links (click to view full-sized images)

#### Adding an Application Link to an Application that Does Not Support Application Links

#### To link to an application that does not support Application Links:

- Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click 'Add Application Link'. Step 1 of the 'Link to another server' dialogue will be displayed.
- 3. Enter the server URL of the application that you want to link to, in the 'Server URL' field. Click the 'Next' button. Step 2 of the 'Link to another server' dialogue will be displayed.
- 4. Fill out the fields, as follows:
  - 'Application Name' Enter the name by which this remote application will be referred to, in your application.
  - 'Application Type' Select the type of application that you are linking to: Bamboo, FishEye/Crucible, JIRA, Confluence, Subversion.
  - 'Application URL' This will be set to the server URL you entered in the previous step and will not be editable.
- 5. Click the 'Create' button to create the application link. The 'Configure Application Links' page will be displayed, listing all of the application links that have currently been set up for your application including the one you just added.
- 6. Configure the desired authentication type (Trusted Applications, OAuth, basic HTTP, none) for your new application link. See <u>Configuring Authentication for an Application Link</u>.
- 7. In your application that does not support Application Links, configure the same type of authentication that you configured for your application link's *outgoing* authentication (in the previous step). For example, if you configured outgoing Trusted Applications authentication in your Application-Links-enabled application, you also need log into your non-Application-Links application and manually configure Trusted Applications (see the relevant administrator's documentation for the application).



Screenshots above: Adding an application link to an application that does not support Application Links (click to view full-sized images)

#### Related Topics

Making an application link the primary link
Configuring Authentication for an Application Link
Configuring Project Links across Applications

#### **Configuring Authentication for an Application Link**

When you configure authentication for an application link, you are defining the level of trust between Crucible and the application that it is linked to.

#### On this page:

- Choosing Authentication for an Application Link
- Security Implications for each Authentication Type
- About Primary Authentication Types
- About Impersonating and Non-Impersonating Authentication Types

#### **Choosing Authentication for an Application Link**

The level of authentication that you should configure for your application link depends on a number of factors.

- Do the two applications trust each other? In other words, are you sure that the code in the application will behave itself at all times and that the application will maintain the security of its private key?
- Do the two applications share the same user base?
- Do you have administrative access to the application you are linking to?

#### Common scenarios include:

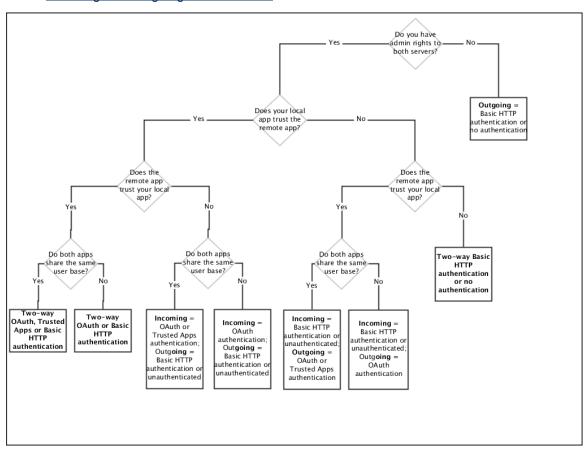
- If the two applications you are linking trust each other and share the same user base, configure two-w
  ay authentication using Trusted Applications for both incoming and outgoing authentication. For
  example, you may link your internal Crucible server to an internal JIRA server.
- If the two applications you are linking trust each other but do not share the same user base, configure two-way authentication using OAuth for both incoming and outgoing authentication. For example, you may link your internal Crucible server to an external (customer-facing) JIRA server.
- If you do not have administrative rights to the application that you are linking to (for example, linking to a public Crucible server), configure a one-way outgoing link authenticated using basic HTTP

authentication or do not configure any authentication for the link. For example, you may link your external Crucible server to a partner organisation's Crucible server. An unauthenticated link will still allow the local application to render hyperlinks to the remote application or query anonymously-accessible APIs.

The flowchart below provides a guide to what authentication you should configure for your application link.

Read the following topics for information on how to configure authentication for an application link:

- Configuring Basic HTTP Authentication for an Application Link
- Configuring OAuth Authentication for an Application Link
- Configuring Trusted Applications Authentication for an Application Link
- Incoming and Outgoing Authentication



Flowchart above: Determining what authentication to configure for an Application Link

#### **Security Implications for each Authentication Type**

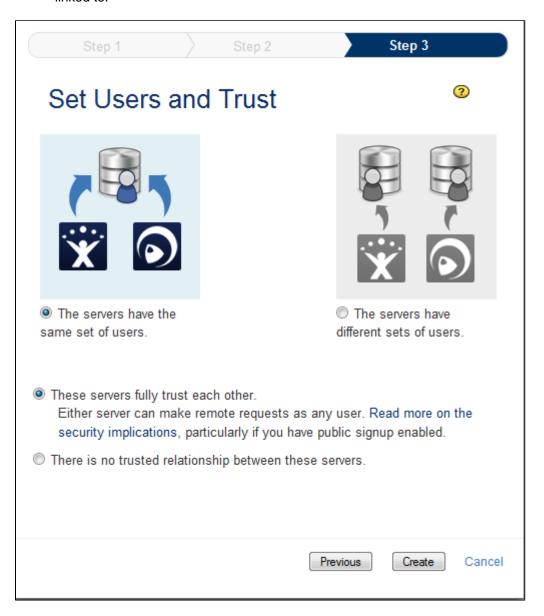
If you configure **Trusted Applications authentication** for your application (meaning that your servers have the same set of users and they fully trust each other) please be aware of the following security implications:

Trusted applications are a potential security risk. When you configure Trusted Applications
authentication, you are allowing one application to access another as any user. This allows all of the
built-in security measures to be bypassed. Do not configure a trusted application unless you know that all
code in the application you are trusting will behave itself at all times, and you are sure that the application
will maintain the security of its private key.

If you configure **OAuth authentication** for your application (meaning that your servers have different sets of users and they fully trust each other) please be aware of the following security implications:

• Adding an OAuth consumer requires the transmission of sensitive data. To prevent <u>'man-in-the-middle'</u> <u>attacks</u>, it is recommended that you **use SSL** for your applications while configuring OAuth authentication.

 Do not link to an application using OAuth authentication, unless you trust all code in the application to behave itself at all times. OAuth consumers are a potential security risk to the applications that they are linked to.



Screenshot above: Configuring authentication during application link setup

#### **About Primary Authentication Types**

You can configure multiple authentication types for each application link. When a feature makes a request using an Application Link, it will use one of the configured authentication types. If more than one authentication type is configured, it will by default use the authentication type that is marked as the primary authentication type. The default authentication type is indicated by the green tick next to the authentication type on the list application link screen.

You **cannot** configure which authentication type is the primary authentication type. The primary authentication type is determined automatically by Application Links and depends on a weight defined by each authentication type method. However, every feature that uses Application Links can also choose to use a specific authentication type and might not use the default primary authentication type.

**About Impersonating and Non-Impersonating Authentication Types** 

# Applications Links allows you to configure 'impersonating' and 'non-impersonating' authentication types:

- Impersonating authentication types make requests on behalf of the user who is currently logged in.
   People will see only the information that they have permission to see. This includes <u>OAuth</u> and <u>Trusted</u> <u>Applications</u> authentication.
- **Non-impersonating authentication types** always use a pre-configured user when making a request. Everyone logged into the system will see the same information. This includes <u>basic HTTP authentication</u>.

#### **Configuring Basic HTTP Authentication for an Application Link**

Tthis page describes how to configure **Basic HTTP authentication** for incoming and/or outgoing authentication for an application link.

Basic HTTP authentication allows Crucible to provide a specific set of user credentials to a remote application and vice versa. Once authenticated, one application can access specified functions on the other application on behalf of that user. For example, if you supply the credentials of a Crucible administrator on your Crucible server to a remote application, the remote application will be able to access all functions on your Crucible server that the Crucible administrator can access.

This method of authentication relies on the connection between Crucible and the remote application being secure. We recommend that you use <u>Trusted Applications authentication</u> or <u>OAuth authentication</u> for your application link instead, if possible.

#### On this page:

- Before You Begin
- Configuring Basic HTTP Authentication for Outgoing Authentication
- Configuring Basic HTTP Authentication for Incoming Authentication

#### Before You Begin

- The instructions assume that both of the applications that you are linking have the Application Links plugin installed. If the remote application that you are linking to supports Basic HTTP authentication, but does not have the Application Links plugin installed, you will need to configure Basic HTTP authentication from within the remote application. See the relevant administrator's documentation for the application. This is in addition to configuring the outgoing/incoming authentication for the application link described below.
- You must be a Crucible administrator to configure Basic HTTP authentication for an application link.

#### Configuring Basic HTTP Authentication for Outgoing Authentication

Configuring **outgoing basic http authentication** will allow Crucible to trust a remote application. This allows the remote application to access specified functions in Crucible.

#### To configure basic http authentication for an outgoing application link:

1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.

- 2. Click the 'Configure' link next to the application link that you want to configure authentication for.
- 3. Click the 'Outgoing Authentication' tab. The outgoing authentication page will be displayed.
- 4. Click the 'Basic Access' tab.
- 5. Click the '**Configure**' button and enter the credentials (username and password) that the remote application will use to log into your application .
- 6. Click the 'Apply' button to save your changes.

### Configuring Basic HTTP Authentication for Incoming Authentication

Configuring **incoming basic http authentication** will allow the remote application that you are linking to, to trust Crucible. Crucible will be able to access specified functions on the remote application.

### To configure basic http authentication for an incoming application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to configure authentication for.
- 3. Click the 'Incoming Authentication' tab. The incoming authentication page will be displayed.
- 4. Click the 'Basic Access' tab.
- 5. Click the '**Configure**' button and enter the credentials (username and password) that the your application will use to log in to the remote application.
- 6. Click the 'Apply' button to save your changes.

# **Related Topics**

Configuring OAuth Authentication for an Application Link
Configuring Trusted Applications Authentication for an Application Link

### Configuring OAuth Authentication for an Application Link

This page describes how to configure **OAuth** for outgoing authentication and/or incoming authentication for an application link.

<u>OAuth</u> is a protocol that allows a web application to share data/resources with any other OAuth-compliant application. These applications could be another web application (such as a JIRA site or an <u>iGoogle</u> home page), a desktop application or a mobile device application, provided that they are accessible from within your network or available on the Internet.

A typical scenario is to set up an application link between two applications which trust each other, have the Application Links plugin installed, but do not share the same set of users. In this case, you would configure OAuth for both outgoing and incoming authentication.

### **Key OAuth Terminology:**

- Service provider An application that shares ('provides') its resources.
- Consumer An application that accesses ('consumes') a service provider's resources.
- User An individual who has an account with the service provider.

### On this page:

- Before You Begin
- Configuring OAuth for Outgoing Authentication
- Configuring OAuth for Incoming Authentication

### Related pages:

- Configuring Basic HTTP Authentication for an Application Link
- Configuring Trusted Applications Authentication for an Application Link

### Before You Begin

- Adding an OAuth consumer requires the transmission of sensitive data. To prevent <u>'man-in-the-middle'</u>
   attacks, it is recommended that you use SSL for your applications while configuring OAuth authentication.
- Do not link to an application using OAuth authentication, unless you trust all code in the application to behave itself at all times. OAuth consumers are a potential security risk to the applications that they are linked to.
- The instructions assume that both of the applications that you are linking have the Application Links
  plugin installed. If the remote application supports OAuth but does not have the Application Links plugin
  installed, you will need to configure OAuth from within the remote application (see the administrator's
  documentation for the application) in addition to configuring the outgoing/incoming authentication for the
  application link as described below.
- You must be a Crucible administrator to configure OAuth authentication for an application link.

### Configuring OAuth for Outgoing Authentication

Configuring **outgoing OAuth authentication** will allow Crucible to access data in a remote application on behalf of a user. In other words, Crucible can access specified functions in the remote application.

### To configure OAuth authentication for an outgoing application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to configure OAuth for.
- 3. Click the 'Outgoing Authentication' tab. The outgoing authentication page will be displayed.
- 4. Click the 'OAuth' tab.
- 5. If you are not currently logged in to the remote application (or you logged in to the remote application under a variant of the application's hostname, such as the IP address), a login dialogue will display.
  - Enter the 'Username' and 'Password' for the remote server, not your local server, and click the 'Lo gin' button. The remote server needs to learn the identity of your local server for the OAuth protocol to work and your admin credentials are used to store your local server's public key on the remote server. If you are already logged into your remote server, then the appropriate changes can be made without having to log in again.
- 6. Click the 'Enable' button to enable OAuth authentication for the outgoing link. Your application will be automatically set up to be the 'consumer' and the remote application as a 'service provider'.

### **Configuring OAuth for Incoming Authentication**

Configuring incoming OAuth authentication will allow the remote application to access data in Crucible.

### To configure OAuth authentication for an incoming application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to configure OAuth for.
- 3. Click the 'Incoming Authentication' tab. The incoming authentication page will be displayed.
- 4. Click the 'OAuth' tab.
- 5. Click the 'Enable' button to enable OAuth authentication for the incoming link. The remote application will be automatically set up to be the 'consumer' and your local application as a 'service provider'.

### **Configuring Trusted Applications Authentication for an Application Link**

This page describes how to configure **Trusted Applications** for outgoing and/or incoming authentication for an application link.

Trusted Applications authentication allows one application to gain access to specified functions within another application on behalf of any user, without the user having to log in to the second application.

A typical scenario is to set up an application link between two applications which trust each other, have the same set of users and have the application links plugin installed. In this case, you would configure Trusted Applications for both outgoing and incoming authentication.

### On this page:

- Before You Begin
- Configuring Trusted Applications for Outgoing Authentication
- Configuring Trusted Applications for Incoming Authentication

### Before You Begin

- Trusted applications are a potential security risk. When you configure Trusted Applications
  authentication, you are allowing one application to access another as any user. This allows all of the
  built-in security measures to be bypassed. Do not configure a trusted application unless you know that all
  code in the application you are trusting will behave itself at all times, and you are sure that the application
  will maintain the security of its private key.
- The instructions below assume that both of the applications that you are linking have the Application Links plugin installed. If the remote application supports Trusted Applications but does not have the Application Links plugin installed, you will need to configure Trusted Applications from within the remote application (see the relevant administrator's documentation for the application) in addition to configuring the outgoing/incoming authentication for the application link as described below.
- You must be a Crucible administrator to configure Trusted Applications authentication for an application link.

### Configuring Trusted Applications for Outgoing Authentication

Configuring **outgoing Trusted Applications authentication** will allow the remote application to trust Crucible. In other words, Crucible will be able to access specified functions and data on the remote application.

### To configure Trusted Applications authentication for an outgoing application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to configure Trusted Applications authentication for.
- 3. Click the 'Outgoing Authentication' tab. The outgoing authentication page will show, with the 'Trusted Applications' tab displayed.
- 4. If you are not currently logged into the remote application (or you logged into the remote application under a variant of the application's hostname, e.g. the IP address), a login dialogue will display.
  - Enter the 'Username' and 'Password' for the remote server, (not your local server), and click the 'Login' button. You need to enter the credentials for the remote server, as the remote server needs to be instructed to trust your local server for the Trusted Applications protocol to work. If you are already logged into your remote server, then the appropriate changes can be made without having to log in again.
- 5. Configure the settings for the Trusted Applications authentication:
  - 'IP Patterns' Enter the IP addresses (IPv4 only) from which the remote application will accept requests (this effectively is the IP address your local server). You can specify wildcard matches by using an asterisk (\*), e.g. '192.111.\*.\*' (note, you cannot use netmasks to specify network ranges). If you are entering multiple IP addresses, separate them with commas or spaces.
    ⚠ Please note, if you are setting up Trusted Applications between two applications that both have the Application Links plugin installed, you can leave this field blank (or explicitly use \*.\*.\*.\*). However, if your remote application does not have the Application Links plugin installed and you

are configuring the IP Patterns in the remote application (not the Application Links plugin), **you must not leave this field blank nor use** \*.\*.\*. Failure to configure IP address restrictions in this scenario is a security vulnerability, allowing an unknown site to log into your site under a user's login ID.

Consider the following scenarios, if you want to limit access by using this field:

- If your local application is using a proxy server, you need to add the proxy server's IP address to this field.
- If your local application is a clustered instance of Confluence, you need to configure the remote server to accept requests from each cluster node. If you do not set up each node appropriately, your Confluence users may not be able to view any information from the remote server. You can set this up by either specifying each individual IP address for each node of the cluster (e.g. 172.16.0.10, 172.16.0.11, 172.16.0.12), or specifying the IP address for the clustered Confluence instance using wildcards (e.g. 172.16.0.\*).
- 'URL Patterns' Enter the URLs in the remote application that your local application will be allowed to access. Each URL corresponds to a particular application function. Enter one URL per line, as follows:
  - If your remote application is JIRA, enter the following URL Patterns: /plugins/servlet/streams, /sr/jira.issueviews:searchrequest, /secure/RunPortlet, /rest, /rpc/soap
  - If your remote application is Confluence, enter the following URL Patterns: /plugins/ser vlet/streams, /plugins/servlet/applinks/whoami
- 'Certificate Timeout (ms)' Enter the certificate timeout. The default is 10 seconds. The certificate timeout is used to prevent replay attacks. For example, if a Trusted Applications request is intercepted and (maliciously) re-sent, the application will be able to check when the request was first sent. If the second request is sent more than 10 seconds (or whatever the certificate timeout is set to) after the initial request, it will be rejected. Please note, you should not have to change the default value of this field for most application links. Note that the certificate timeout relies on the clocks on both servers being synchronised.
- 6. Click the 'Apply' button to save your changes.

### **Configuring Trusted Applications for Incoming Authentication**

Configuring **incoming Trusted Applications authentication** will allow Crucible to trust the remote application. The remote application will be able to access specified functions and data on Crucible.

### To configure Trusted Applications authentication for an incoming application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to configure Trusted Applications authentication for.
- 3. Click the 'Incoming Authentication' tab. The imconing authentication page will show, with the 'Trusted Applications' tab displayed.
- 4. The tab will show whether Trusted Applications is currently enabled or not. Use the 'Modify' or 'Configur e' button to configure Trusted Applications. The Trusted Applications configuration settings will be displayed:
  - 'IP Patterns' Enter the IP addresses (IPv4 only) from which our application will accept requests. You can specify wildcard matches by using an asterisk (\*), e.g. '192.111.\*.\*' (note, you cannot use netmasks to specify network ranges). If you are entering multiple IP addresses, separate them with commas or spaces.

A Please note, if you are setting up Trusted Applications between two applications that both have the Application Links plugin installed, you can leave this field blank (or explicitly use \* . \* . \* . \*). However, if your remote application does not have the Application Links plugin installed and you are configuring the IP Patterns in the remote application (not the Application Links plugin), you must not leave this field blank nor use \* . \* . \* . \* . Failure to configure IP address restrictions in

this scenario is a security vulnerability, allowing an unknown site to log into your site under a user's login ID.

Consider the following scenarios, if you want to limit access by using this field:

- If the remote application is using a proxy server, you need to add the proxy server's IP address to this field.
- If the remote application is a clustered instance of Confluence, you need to accept requests from each cluster node. If you do not specify each node's address, Confluence users may not be able to view any data from your application. You can set this up by either specifying each individual IP address for each node of the cluster (e.g. 172.16.0.10, 172.16.0.11, 172.16.0.12), or specifying the IP address for your clustered Confluence instance using wildcards (e.g. 172.16.0.\*).
- 'URL Patterns' Enter the local URLs that the remote application will be allowed to access. Each URL corresponds to a particular application function. Enter one URL per line, as follows:
  - If your local application is JIRA, enter the following URL Patterns /plugins/servlet/ streams, /sr/jira.issueviews:searchrequest, /secure/RunPortlet, /rest, / rpc/soap
  - If your local application is Confluence, enter the following URL Patterns /plugins/ser vlet/streams, /plugins/servlet/applinks/whoami
- 'Certificate Timeout (ms)' Enter the certificate timeout. The default is 10 seconds. The certificate timeout is used to prevent replay attacks. For example, if a Trusted Applications request is intercepted and (maliciously) re-sent, the application will be able to check when the request was first sent. If the second request is sent more than 10 seconds (or whatever the certificate timeout is set to) after the initial request, it will be rejected. Please note, you should not have to change the default value of this field for most application links. Note that the certificate timeout relies on the clocks on both servers being synchronised.
- 5. Click the 'Apply' button to save your changes.

# **Related Topics**

Configuring Basic HTTP Authentication for an Application Link Configuring OAuth Authentication for an Application Link

**Incoming and Outgoing Authentication** 

# When you configure authentication for an application link, you are defining the level of trust between the two linked servers. When configuring a link from one application to another, you can set up:

- Incoming authentication (authentication of requests coming from a linked application into this
  application).
- Outgoing authentication (authentication of requests sent from this application to a linked application).

See Configuring Authentication for an Application Link.

### **Deleting an Application Link**

Deleting an application link stops the two applications from sharing information. You will no longer be able to make requests from one application to the other. This means that certain integration features may not work.

If you have set up application links to multiple servers of the same application type, for example you have linked Crucible to multiple JIRA servers, deleting the <u>primary link</u> will mean that another of the links will be made the primary link.

Deleting an application link will also delete all project links set up for that application link.

### To delete an application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the '**Delete**' link next to the application link that you want to delete. A confirmation screen will be displayed.
- 3. Click the 'Confirm' button to delete the application link.

### **RELATED TOPICS**

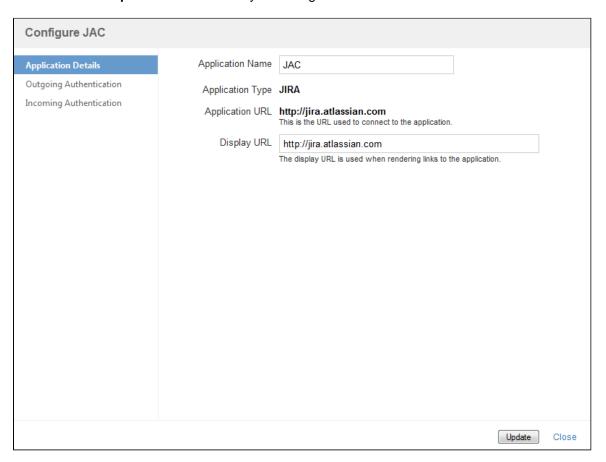
Editing an Application Link
Relocating an Application Link

### **Editing an Application Link**

You can change the details, such as the application name and display URL, for an existing application link.

### To edit an application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Configure' link next to the application link that you want to edit the details for. The application details for the application link will be displayed.
- 3. Update the application details as desired. Please note, you cannot update the Application Type nor the Application URL.
  - 'Application Name' Update this field to change the display name for the application that you are linking to.
  - 'Display URL' This URL is used when displaying links to the application in the browser. When
    creating the application link, you may have used a URL that is not accessible to other users, such
    as an internal IP address. If so, you can change the display URL to an address in a domain that is
    accessible to other users.
- 4. Click the 'Update' button to save your changes.



Screenshot above: Editing an application link

### Related Topics

Configuring Authentication for an Application Link Making an application link the primary link

### Making an application link the primary link

If you have set up application links to more than one of the same application type, for example you have linked Crucible to two JIRA servers, then one of the servers will be marked as the 'primary' link. This means that any outgoing requests will be directed to the primary link's application.

For example, if you have linked a Crucible server to two JIRA servers with two-way authentication for both links, you can nominate an application link to one of the JIRA servers as the primary link. Every time Crucible requests JIRA information, it will request it from the primary link's JIRA server. Both JIRA servers can still make requests of the Crucible server.

Please see <u>Configuring Project Links across Applications</u> for information on how primary project links also influence the information shared between servers.

### To make an application link the primary link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- 2. Click the 'Make Primary' link next to the application link that you want to make the primary link. A 'V' symbol will display in the 'Primary' column next to the application link.
  - The 'Primary' column and 'Make Primary' link will only display if you have set up application links to more than one of the same application type, e.g. you have linked your application to two JIRA servers.

### **Relocating an Application Link**

This page describes how to change the location of an application link. You will need to relocate an application link if the target application has moved to a new address.

### To relocate an application link:

- 1. Log in as a system administrator and go to the administration page. Click 'Application Links' in the administration menu. The 'Configure Application Links' page will appear, showing the application links that have been set up.
- If the remote application for an application link cannot be reached by your application, the 'List
   Application Links' page will display a warning message (see 'Relocate Link Warning Message'
   screenshot below).
- 3. If your remote application has been moved to a different address (rather than just being offline temporarily), click the 'Relocate' link in the warning message (see 'Relocate Link Updating URL' screenshot below).
- 4. Enter the new URL for the remote application of your application link and click 'Relocate'.
- 5. You will need to confirm the relocation, if the new URL cannot be contacted. Otherwise, the application link will be updated.



Screenshot above: Relocate link - The warning message



Screenshot above: Relocate link - Updating the URL

Related Topics

Making an application link the primary link

### **Upgrading an Application Link**

This page describes how to upgrade an existing application link. You may want to upgrade an application link in either of the two situations below:

- Your local Crucible application has been upgraded from a version that does not include Application Links to a version that does.
- Your remote application has been upgraded to a version that includes Application Links. For example, you had set up an application link to a JIRA 4.2 site (does not include Application Links) and have since upgraded to JIRA 4.3 (includes Application Links).

### On this page:

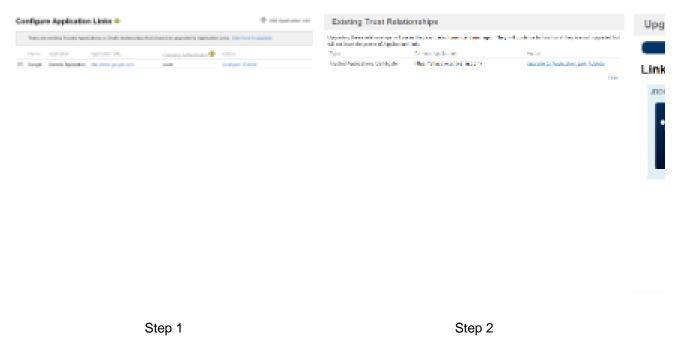
- Upgrading an Application Link (Local App Upgraded to Include Application Links)
- Upgrading an Application Link (Remote App Upgraded to Include Application Links)

### Upgrading an Application Link (Local App Upgraded to Include Application Links)

When you upgrade from a Crucible version that does not include Application Links to a version that does, you will have the option of converting any Trusted Applications or OAuth links to Application Links. The advantage of converting your links to Application Links is that link configuration will be simplified in future.

### To upgrade an application link when Crucible has been upgraded to include Application Links:

- 1. After your Crucible upgrade, go to the administration console.
- Click 'Application Links'. The 'Configure Application Links' screen will show the following message:
   "There are existing Trusted Applications or OAuth relationships that should be upgraded to Application
   Links. Click here to upgrade."
- 3. Click the 'Click here to upgrade' link. The 'Existing Trust Relationships' screen will appear, showing all Trusted Applications and OAuth relationships that can be upgraded to Application Links.
- 4. Click the '**Upgrade to Application Link**' link next to the desired trust relationship. The 'Upgrade to Application Link' wizard will appear.
- 5. Complete the wizard. The process will be similar to adding a new link (described on <u>Adding an Application Link</u>), except that most fields should be pre-filled.



Screenshots above: Upgrading an application link for your local application

### Upgrading an Application Link (Remote App Upgraded to Include Application Links)

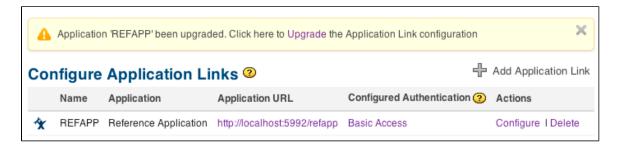
When an application link is created between a version of Crucible that supports Application Links, and a remote application that does not (either a non-Atlassian product, or an older version of an Atlassian product that did not ship with Application Links), this link is configured to run in 'legacy mode'. While there is no distinguishable difference to a user, connection and configuration without Application Links is a little different. For example:

- Setting up OAuth requires manual configuration by the administrator. If your applications support Application Links, exchange of the consumer keys and public keys is done automatically.
- The Trusted Applications protocol (Atlassian-specific) will not be available for authentication.

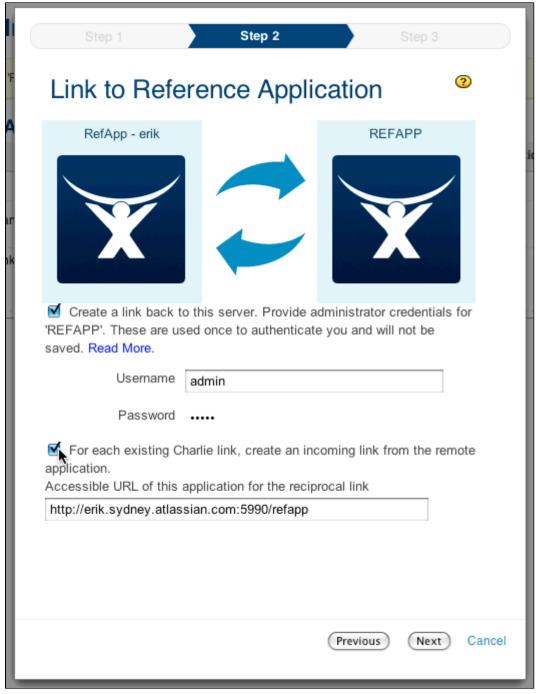
If you upgrade your remote application to a version that does support Application Links, the application link will continue to work. Upgrading your link may simplify link configuration and make additional authentication protocols available (as mentioned above).

# To upgrade an application link when your remote application has been upgraded to include Application Links:

- 1. After you have upgraded your remote application to a version that includes Application Links, go to the administration console of your local application. A warning will be displayed, requesting that you upgrade the link to full Application Links mode.
- 2. Click 'Upgrade' in the warning message to start the upgrade wizard. Note the following:
  - You will be prompted to make your application link a reciprocal link. You will need to provide administrator credentials for your remote application, if you choose to do so.
  - If you make your application link a reciprocal link, you will also be able to make reciprocal links for your project links. For example, you may be able to link your JIRA project to a FishEye repository and also make a link from your FishEye repository back to the JIRA project.



Screenshot above: Upgrading an application link for remote application



Screenshot above: Upgrading an application link wizard

### Related Topics

Adding an Application Link
Configuring Authentication for an Application Link

### **Configuring Project Links across Applications**

We no longer recommend the use of project links with Crucible 2.9 and later. This is because application links now provide all of the functionality previously available with project links.

However, project links are retained for the following reasons:

- Setting up project links provides a way to restrict the scope of JIRA searches, which can provide performance benefits.
- Legacy configurations can continue to use project links without any need for changes.

Third-party plugins may continue to rely on project links for their functionality.

### On this page:

- Adding a Project Link
- Deleting a project link
- Making a project link the primary link

### Related pages:

Adding an Application Link

### Adding a Project Link

### To link a Crucible project to a project in another application:

- 1. Go to the Crucible administration console and click **Projects**.
- 2. Click Application Links in the 'Operations' column next to the project that you want to link from.
- 3. The instructions for adding a project link will vary depending on whether the target application has the Application Links functionality installed:
  - If the target application has Application Links:
    - a. Click 'Add Link'. A dropdown menu will appear listing the applications you have already linked to.
    - b. In the dropdown menu, click the application that contains the project you want to link to. For example, if you want to link to a specific JIRA project, click the JIRA site that contains that project. If you want to link to a Confluence space, click the Confluence site that contains that space.
    - c. Click one of the options on the 'Authorization required' screen:
      - 'Authorize' Click this option if you want to grant your project authorised access to the target project. The target application will open in a new window, so that you can log in and authorise access.
      - 'Skip your access is anonymous' Click this option if you only want to allow anonymous access to the target project.
    - d. In the 'Name or Key' field, enter the name/key of the project in the remote application that you want to link to. For example, if you want to link to a JIRA project, enter the project key. If you want to link to a Confluence space, enter the space key.
    - e. Click the 'Create' button to create the project link.
  - If the target application does not have Application Links:
    - a. Click 'Add Link'. A dropdown menu will display listing the applications you have already linked to.
    - b. In the dropdown menu, click the application that contains the project you want to link to. For example, if you want to link to a specific JIRA project, click the JIRA site that contains that project. If you want to link to a Confluence space, click the Confluence site that contains that space.
    - c. In the '**Key**' field, enter the name/key of the project in the remote application that you want to link to. For example, if you want to link to a JIRA project, enter the project key. If you want to link to a Confluence space, enter the space key.
    - d. *(optional)* Enter the alias for the project in the 'Alias' field. This is the display name for the project in your administration console.
    - e. Click the 'Create' button to create the project link.

### Deleting a project link

If you have set up multiple project links to the same application, for example you have linked a Crucible project to multiple JIRA projects, deleting the <u>primary link</u> will mean that another of the links will be made the primary link.

### To delete a project link:

- 1. Go to the Crucible administration console and click Projects.
- 2. Click Application Links in the 'Operations' column next to the project that you want to link from.
- 3. Click **Delete** next to the link that you want to delete.
- 4. Click Confirm.

### Making a project link the primary link

If you have set up project links to more than one project in the same application, then one of the project links will be marked as the primary link. All outgoing requests will be directed to the primary link.

For example, if you have a Crucible project that is linked to two JIRA projects, you can nominate the link to one of the JIRA projects as the primary link. Every time Crucible requests JIRA information, it will request it from the primary link's JIRA project. Both JIRA projects can still request information from the Crucible project.

### To make a project link the primary link:

- 1. Go to the Crucible administration console and click Projects.
- 2. Click Application Links in the 'Operations' column next to the project that you want to link from.
- 3. Click **Make Primary** in the 'Action' column for the project link that you want to make the primary link. A symbol will be displayed in the 'Primary' column next to the link.

  Note: The 'Primary' column and 'Make Primary' link will appear only if you have set up multiple project links to the same application, for example if you have linked a Confluence space to a number of JIRA projects.

## **Trusted Applications**

A 'trusted application' is an application that Crucible will allow to access specific functions in Crucible on behalf of any user, without the user logging in to Crucible. You can configure Trusted Applications authentication between FishEye, Crucible, JIRA (3.12 and later) and Confluence (2.7 and later).

Using the bundled Application Links plugin, you can configure application links with Trusted Applications authentication as well as other types of authentication.

For further instructions, please see Configuring Application Links.

**Related Topics** 

Configuring Application Links
JIRA Integration in Crucible

# **Crucible Release Notes**



Crucible 2.9 has now been released. Read the Release Notes.

### **Crucible Release Notes and Changelogs**

- Security advisories
  - FishEye and Crucible Security Advisory 2012-08-21
  - FishEye and Crucible Security Advisory 2012-05-17
  - FishEye and Crucible Security Advisory 2012-01-31
  - FishEye and Crucible Security Advisory 2011-11-22
  - FishEye and Crucible Security Advisory 2011-05-16
  - FishEye and Crucible Security Advisory 2011-01-12
  - Crucible Security Advisory 2010-06-16
  - Crucible Security Advisory 2010-05-04
- Crucible Upgrade Guide

- Upgrading to a new version of Crucible
- Upgrading from FishEye to Crucible
- Crucible release summary
- Crucible 2.9 release notes
  - Crucible 2.9 upgrade guide
  - Crucible 2.9 changelog
- Crucible 2.8 Release Notes
  - Crucible 2.8 Upgrade Guide
  - Crucible 2.8 Changelog
- Crucible 2.7 Release Notes
  - Crucible 2.7 Upgrade Guide
  - Crucible 2.7 Changelog
- Crucible 2.6 Release Notes
  - Crucible 2.6 Upgrade Guide
  - Crucible 2.6 Changelog
- Crucible 2.5 Release Notes
  - Crucible 2.5 Upgrade Guide
  - Crucible 2.5 Changelog
- Crucible 2.4 Release Notes
  - Crucible 2.4 Upgrade Guide
  - Crucible 2.4 Changelog
- Crucible 2.3 Release Notes
  - Crucible 2.3 Upgrade Guide
  - Crucible 2.3 Changelog
- Crucible 2.2 Release Notes
  - Crucible 2.2 Upgrade Guide
  - Crucible 2.2 Changelog
- Crucible 2.1 Release Notes
  - Crucible 2.1 Upgrade Guide
  - Crucible 2.1 Changelog
- Crucible 2.0 Release Notes
  - Crucible 2.0 Upgrade Guide
  - Crucible 2.0 Changelog
- Crucible 2.0 Beta Release Notes
  - JIRA Integration in Crucible 2.0 Beta
  - Crucible 2.0 Beta Upgrade Notes
  - Crucible 2.0 Beta Reviewer's Guide
- Crucible 1.6 Release Notes
  - Crucible 1.6 Upgrade Guide
  - Crucible 1.6 Changelog
- Crucible 1.5 Release Notes
  - Crucible 1.5 Upgrade Guide
  - Crucible 1.5 Changelog
- Crucible 1.2 Release Notes
  - Crucible 1.2 Upgrade Guide
  - Crucible 1.2 Changelog
- Crucible 1.1 Release Notes
  - Crucible 1.1 Upgrade Guide
  - Crucible 1.1 Changelog
- For changes prior to 1.1, see the <u>1.0.x Changelog</u>

### Installation

You can download Crucible from here.

If upgrading from a previous version, please follow the <u>Upgrade Guide</u>.

- As of version 1.0, Crucible now requires a JVM version 1.5 or later. Previously, 1.4+ was required.
- Crucible 1.1.4 includes FishEye 1.3.8.
- Upgrading from 1.0.4 (or earlier) will force a complete re-index of P4 repositories.

# Crucible release summary

### Crucible 2.9 — 14 November 2012

- Simpler JIRA integration
- Better performance of the Reviews tab in JIRA
- Faster review creation for large teams
- More in release notes.

### Crucible 2.8 — 15 August 2012

- Mentions
- Shares
- · Improved performance for the projects listing
- Support for Subversion 1.7
- End of life announcements
- More in release notes.

### Crucible 2.7 — 7 September 2011

- JIRA Transitions in Crucible
- Review Reminders
- Small Improvements
- More in <u>release notes</u>.

### Crucible 2.6 — 6 June 2011

- New Quick Search
- HTML Emails for Reviews
- Dashboard and Navigation Improvements
- SQL Server Support
- Oracle Support
- Review Creation without Metadata Changes
- Improved Patch Anchoring
- More in <u>release notes</u>.

### Crucible 2.5 — 8 February 2011

- Oracle (Beta)
- Redesigned Activity Stream
- Improved Header
- Comment Notification Batching
- More in release notes.

### **Crucible 2.4 — 20 October 2010**

- Easier Application Linking
- Native Repository Access
- Starter Licenses
- Adding Changesets to Reviews Simplified
- User Interface Improvements
- Snippets Tweaks
- More in <u>release notes</u>.

### Crucible 2.3 — 26 May 2010

- Snippet Reviews
- Changeset Discussions
- Mercurial SCM Alpha
- Review Coverage report
- Revamped Installation Process
- Gadgets
- More in <u>release notes</u>.

### Crucible 2.2 — 18 February 2010

- Smart Pre-Commit (Patch) Support
- 'No Moderator' Reviews
- Wizard-Like Review Creation
- Integrated Timetracking Between Crucible and JIRA
- Edit Mode for Reviews
- More in <u>release notes</u>.

### Crucible 2.1 — 12 November 2009

- · Wiki Markup Rendering
- Progress Tracking
- Usability and Productivity Updates
- Streamlined JIRA Integration
- Review Time Tracking
- Review History Dialog
- "Blockers" Reports
- Threaded Comments
- Plugin Developer Tools
- More in <u>release notes</u>.

### Crucible 2.0 — 30 June 2009

- Support for iterative reviews
- New User Interface
- · Indicators for read/unread comments
- Enhanced JIRA integration
- More in release notes.

### Crucible 1.6 — 23 September 2008

- Support for non-FishEye repositories
- Confluence page reviews
- Shared file system repositories
- Enhanced pre-commit reviews & image support
- Multiple admin users
- Expanded API
- More in release notes.

### Crucible 1.5 — 14 April 2008

- Project Dashboard
- · Filtered comments & defects search, with statistical summary
- Customisable email templates
- Improvements to Crucible Plugin API beta
- More in <u>release notes</u>.

### Crucible 1.2 — 5 Dec 2007

- Reviews grouped into projects
- Customisable permission schemes

- Plugin API
- Enhancements to user management
- JIRA integration
- Crucible 1.2 includes FishEye 1.4
- More in release notes.

### Crucible 1.1 — 18 September 2007

- Pre-commit review (patch review)
- Review participants can keep track of their progress through a review by marking each file as "done"
- Side-by-side diff mode within the Review display
- Syntax highlighting when displaying a diff
- More in release notes.

# **Crucible Upgrade Guide**

- Upgrading to a new version of Crucible
- Upgrading from FishEve to Crucible

## Upgrading to a new version of Crucible

This page describes the recommended method of upgrading to a new version of Crucible.

Read about how your Crucible installation works with FishEve.

### Before you start

- Back up your entire Crucible instance (see <u>Backing up and restoring Crucible data</u>), i.e.
  - If you are backing up your Crucible instance via the Admin interface, tick all of the 'Include' checkboxes (e.g. plugins, templates, uploads, SQL database, etc).
  - If you are backing up your Crucible instance using the command-line interface, do not use any <u>exclusion options</u>.
- Read the <u>Release Notes and Changelog</u> and version-specific Upgrade Guides for the version you are upgrading to, as well as any versions you are skipping.
- Check the <u>Supported Platforms</u> to ensure that your system meets the requirements for the new version.
- Download the Crucible zip file.

### On this page:

- Before you start
- Upgrade procedure
  - Method 1: Using a FISHEYE INST directory
  - Method 2: Without a FISHEYE INST directory
  - Method 3: Without a FISHEYE\_INST directory, but would like to set one up
- Checking for known issues and troubleshooting the Crucible upgrade

### **Upgrade procedure**

Your upgrade procedure depends on whether you are using a FISHEYE\_INST directory (i.e. "FishEye instance" directory).

- The FISHEYE\_INST directory is the FishEye data directory (*not* the installation directory) and has a location defined by the <u>FISHEYE\_INST</u> environment variable. It is used to keep the FishEye data completely separate from the FishEye/Crucible application files. We recommend that you configure FishEye/Crucible to use a FISHEYE\_INST directory for production instances. Read more about FISHEYE \_INST in <u>Installing FishEye on Windows</u> or <u>Installing FishEye on Linux and Mac</u>.
- The <FishEye home directory> is the location of the FishEye/Crucible application files.

NOTE: For all methods below: if you previously ran FishEye as a Windows service and are installing the new

version of FishEye in a new location, you need to reinstall FishEye as a Windows service. Make sure to run ...\wrapper\bin\Fisheye-Uninstall-NTService.bat from the old location. Subsequently, prior to starting the new instance of FishEye, follow these instructions to set up <u>Fisheye as a Windows service</u> again. Make sure to copy over the changes from the old ...\wrapper\conf\wrapper.conf file to the new wrapper.conf file.

### Method 1: Using a FISHEYE\_INST directory

If you have FishEye/Crucible configured to use a FISHEYE\_INST directory, then follow the instructions below. This is the recommended scenario for production installations.

- 1. Shut down your existing FishEye/Crucible server.
- 2. Make a backup of your FISHEYE\_INST directory.
- 3. Download FishEve or Crucible.
- 4. Extract the new FishEye/Crucible version to a new directory.
- 5. Leave your <u>FISHEYE INST</u> environment variable set to its existing location. Both FishEye and Crucible use this variable.
  - Please be aware that jar files in the FISHEYE\_INST/lib directory may conflict with those required
    for FishEye's normal operation. Jar files in this directory should be limited to those which provide
    functionality not provided by FishEye (e.g. database drivers).
- 6. Start FishEye/Crucible from the new installation directory by running bin/run.sh. (Use run.bat on Windows.)
- 7. Follow any version-specific instructions found in the FishEye Release Notes/Crucible Release Notes.

### Method 2: Without a FISHEYE\_INST directory

If you do not have FishEye/Crucible configured to use a FISHEYE\_INST directory and do not want to set one up, then follow the instructions below. The <FishEye home directory> is the location of the existing FishEye/Crucible installation. Note that this is the typical scenario for evaluation installations, and is not recommended for production installations.

You will need to copy some files from your old FishEye/Crucible installation to your new one.

- 1. Download FishEve or Crucible.
- 2. Extract the new FishEye/Crucible archive into a directory such as <New FishEye home directory>.
- 3. Shut down the old FishEye/Crucible instance if it is running.
- 4. Copy <FishEye home directory>/config.xml to <New FishEye home directory>.
- 5. Delete the <New FishEye home directory>/var and <New FishEye home directory>/cache directories.
- 6. Copy (or move) the <FishEye home directory>/var directory to <New FishEye home directory>/var.
- 7. Copy (or move) the <FishEye home directory>/cache directory to <New FishEye home directory>/cache.
- 8. Start FishEye/Crucible from the new installation by running <New FishEye home directory>/bin/r un.sh. (Use run.bat on Windows.)
- 9. Follow any version-specific instructions found in the FishEye Release Notes/Crucible Release Notes.

### Method 3: Without a FISHEYE\_INST directory, but would like to set one up

If you do not have FishEye/Crucible configured to use a FISHEYE\_INST directory but would like to set one up, then follow the instructions below. You may wish to do this when reconfiguring an existing installation for a production environment.

The FISHEYE\_INST directory is the FishEye data directory, which has a location defined by the <u>FISHEYE INST</u> environment variable, and which should be completely separate from the <FishEye home directory>. The <FishEye home directory> is the location of the existing FishEye/Crucible installation.

- 1. Download FishEye or Crucible.
- 2. Shut down the existing FishEye/Crucible instance if it is running.

- 3. Set up the FISHEYE\_INST environment variable, then create the FISHEYE\_INST directory on your file system.
- 4. Copy <FishEye home directory>/config.xml to the FISHEYE\_INST directory.
- 5. Copy the <FishEye home directory>/var directory to the FISHEYE INST directory.
- 6. Copy the <FishEye home directory>/cache directory to the FISHEYE\_INST directory.
- 7. Extract the new FishEye/Crucible archive into a directory such as <New FishEye home directory>.
- 8. Start FishEye/Crucible from the new installation by running <New FishEye home directory>/bin/r un.sh. (Use run.bat on Windows.)
  - If your configuration is not automatically picked up and you cannot see your existing repositories, check your Administration > Sys-Info page, where you will see information about the <FishEye home directory> and FISHEYE\_INST. Check that your FISHEYE\_INST is pointing to the right directory.
- 9. Follow any version-specific instructions found in the FishEye Release Notes/Crucible Release Notes.

### Checking for known issues and troubleshooting the Crucible upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible
  after we have released the software. In such cases we publish information about the known issues in the
  Crucible Knowledge Base. Please check the <u>Fisheye and Crucible Known Issues</u> in the Crucible
  Knowledge Base and follow the instructions to apply any necessary patches if necessary.
- **Did you encounter a problem during the Crucible upgrade?** Please refer to the guide to <u>troubleshooting upgrades</u> in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one
  of our support engineers will help you.

# **Upgrading from FishEye to Crucible**

If you have been using FishEye and now want to move to Crucible, you can do this without losing your FishEye repositories.

Read about how your Crucible installation works with FishEve.

### Before you start

We strongly recommend you make a backup of your data before following the steps below. Refer to the documentation on <u>making a backup</u>.

### On this page:

- Before you start
- Upgrade procedure
  - Method 1: Without a FISHEYE INST Directory (default)
  - Method 2: Using a FISHEYE INST Directory
  - Method 3: Without a FISHEYE\_INST Directory, but intending to set one up
- Initial Crucible configuration

### **Upgrade procedure**

- Follow <u>Method 1</u> if you have a default configuration and are not using a FISHEYE\_INST directory (that is, your FishEye binaries and data are all stored under the same location, in the default <FishEye home directory>). This is the typical scenario for evaluation installations.
- Follow Method 2 below if you have FishEye configured to use a FISHEYE\_INST directory (that is, your

FishEye binaries are stored in the <FishEye home directory>, separate from your FishEye data directory with a location defined by FISHEYE\_INST). This is the recommended scenario for production installations.

- Follow Method 3 if you are not using a FISHEYE\_INST directory but would now like to start using one. You may wish to do this when configuring an existing installation for a production environment.
- Read more about the FISHEYE\_INST environment variable.

### Method 1: Without a FISHEYE\_INST Directory (default)

- 1. Download Crucible.
- 2. Extract the new Crucible archive into a directory such as <New FishEye directory> .
- 3. Shut down the old FishEye instance if it is running.
- 4. Copy <FishEye home directory>/config.xml to <New FishEye directory> .
- 5. Delete the <New FishEye directory> /var directory.
- 6. Copy the <FishEye home directory>/var directory to <New FishEye directory>/ var.
- 7. Follow any version-specific instructions found in the Release Notes.
- 8. Start Crucible from the new installation by running <New FishEye directory>/bin/run.sh. (Use r un.bat on Windows).
- 9. Follow the initial configuration steps outlined below.

### Method 2: Using a FISHEYE\_INST Directory

- 1. Shutdown your existing fisheye server.
- Make a backup of your FISHEYE\_INST directory.
- 3. <u>Download</u> Crucible and unzip the archive into a folder. This document assumes you have extracted your Crucible zip file into a directory called <New FishEye directory>.
- 4. Leave your FISHEYE\_INST environment variable set to its existing location. Crucible will use this variable.
- 5. Start Crucible from the new installation by running <New FishEye directory> /bin/run.sh. (Use run.bat on Windows).
- 6. Follow the initial configuration steps outlined below.

### Method 3: Without a FISHEYE\_INST Directory, but intending to set one up

- 1. Shut down the old FishEye instance if it is running.
- 2. Set up the FISHEYE\_INST <u>environment variable</u>, then create the FISHEYE\_INST directory on your filesystem.
- 3. Copy the <fishEye home directory> /config.xml to the FISHEYE\_INST directory.
- 4. Copy the <FishEye home directory> /var directory to the FISHEYE\_INST directory.
- 5. Download Crucible.
- 6. Extract the new Crucible archive into a directory such as <New FishEye directory> .
- 7. Start Crucible from the new installation by running <New FishEye directory> /bin/run.sh. (Use run.bat on Windows).
- 8. Follow the initial configuration steps outlined below.
- 9. If you configuration is not automatically picked up and you cannot see your existing repositories, check your Administration > Sys-Info page, where you will see information about the <New FishEye directory> and FISHEYE\_INST. Check that FISHEYE\_INST is pointing to the correct directory.

### **Initial Crucible configuration**

- 1. You can access FishEye immediately by going to http://HOSTNAME:8060/ in a browser.
- The first time you run FishEye, enter your Crucible license key. To do this, update your Crucible license by opening 'Administration', then 'Sys-Info/Support'. On this screen, you can enter your Crucible license key. You can view your license key here. The Crucible functionality will be instantly unlocked.
- 3. If you do not already have user accounts configured, you will need to do this via the Administration screens or by configuring Crucible/FishEye to use external authentication.
  To add users:
  - Open the FishEve Administration screens at <a href="http://hostname:8060/admin/">http://hostname:8060/admin/</a>.

- Click 'Users/Security' under 'Global Settings' in the 'Admin Menu'.
   Read more details about the different ways of <u>creating users</u>.
- 4. Crucible can email each review participant on a range of changes. Each user can then set up their own preferences. This is described in the <u>User Profile guide</u>. First, you must <u>set up the SMTP Server</u>.

### Crucible 2.9 release notes

### **14 November 2012**

With great pleasure, Atlassian presents **Crucible 2.9**, which introduces the best JIRA integration we have ever built.

- See the change log for Crucible 2.9.x minor releases.
- <u>Visit our issue tracker</u> to see the full list of improvements and bug fixes in Crucible and FishEye for this release.
- Upgrading from a previous version of Crucible. Upgrading Crucible should be fairly straight forward.
   We strongly recommend that you back up Crucible before upgrading. Please refer to the Crucible 2.9
   Upgrade Guide for further essential information about your upgrade.
- **Known Issues.** Please check the <u>important technical advisories</u> on the front page of the Knowledge Base for information about any known issues for this release.
- JIRA 5.0 integration. The features described below are supported by JIRA 5.0, or later, with the latest version of the <u>JIRA FishEve plugin</u>.

### Highlights of this release:

- Simpler JIRA integration
- Better performance of the Reviews tab in JIRA
- Faster review creation for large teams
- Other announcements



### Providing feedback:

Please log your votes and issues. They help us decide what needs doing, and are much appreciated!



### Simpler JIRA integration

With Crucible 2.9, linking your instance to JIRA is as simple as Plug & Play. As soon as you create an Application Link between your JIRA server and your Crucible instance, you get all the power of the JIRA / Crucible integration:

- See in JIRA the list of reviews corresponding to a specific issue
- Navigate to the related review from your issue page
- Get the JIRA data corresponding to issues mentioned in your review comments, titles and objectives

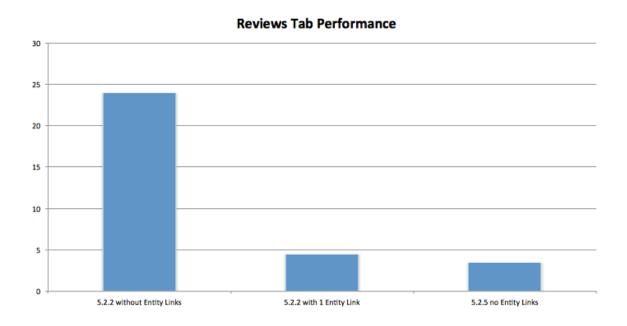
You no longer need to create and maintain multiple links between projects in JIRA and projects in Crucible. Maintaining your JIRA / Crucible integration has never been simpler! *More...* 





### Better performance of the Reviews tab in JIRA

When we changed the implementation of the Crucible / JIRA integration we also improved the performance of the Reviews Tab display in JIRA. You will see your reviews in JIRA faster, even without having to create any links between your JIRA project and your Crucible repositories. In other words, with Crucible 2.9 you spend les time administering your instance, while your users get all the relevant content in JIRA in a better way than before.

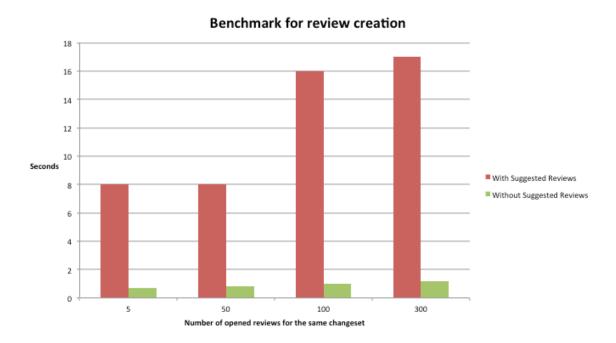




### Faster review creation for large teams

Crucible is a tool that is built to help organizations and distributed teams perform code reviews. When you have large teams you can find that you always have a large number of reviews waiting to be closed. Prior to Crucible 2.9, this could slow down the review creation process because Crucible looked for other reviews where changesets might have been included.

With Crucible 2.9 we have removed the Suggested Reviews step during review creation. Not only does this accelerate the process, but it also ensures that performance of the whole Crucible instance is not impacted by single process. The chart below shows the performance improvement we have seen from this modification.





### Other announcements

### Suggested reviews removed

As described above, we have removed the suggested reviews step during review creation, to improve Crucible performance and to ensure that review creation never interferes with the responsiveness of you Crucible instance.

### · Remote API setting always on

We have removed the Remote API setting from the Server Settings page. From this release onwards, Remote APIs are always accessible, which helps to make the JIRA integration straightforward.

### Changes to the JIRA settings dialog

- Allow Time Tracking Submission is no longer a configurable option. Users are always able to submit time for their reviews when the JIRA integration is set up.
- We have simplified permissions by removing the Disable for Unmapped Projects setting. All
  permissions to view the reviews tab are now controlled by the Project permission settings in JIRA
- Force Project Mappings has been removed as part of simplifying the JIRA FishEye Plugin behavior. Project links are respected, and act as restrictions on the integration.

• Max review age is now only applied to versions of Crucible prior to 2.9.0.

### The Crucible 2.9 team

### **Development**

### Core team

Brendan Humphreys Conor MacNeill Geoff Crain Lukasz Pater Maciej Swinarski Piotr wity wicicki Richard Stephens Tom Davies Valery Trubnikov

### Team lead

Nick Pellow

### Product management

Sten Pittet

### Project manager

Anton Mazkovoi

### **Support**

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Douglas Fabretti
Felipe Kraemer
Gurleen Anand
Kah Loun Foong
Leonardo Macedo
Malik Mangier
Patrick Hill
Renan Battaglin

Rene Verschoor Ricardo Martins

### **Others**

### **Product marketing**

Giancarlo Lionetti

Quality assurance

George Filippoff

Technical writing

Paul Watson

Operations

James Fleming

# Crucible 2.9 changelog

This page contains information about the Crucible 2.9 minor releases. FishEye license holders should also check the FishEye 2.9 Changelog.

See the Crucible 2.9 release notes for details of what's new in 2.9.0.



A Please read the Crucible 2.9 Upgrade Guide before upgrading to any of the minor releases below.

### Crucible 2.9

### **14 November 2012**

The complete list of issues is below.

<u>JIRA Issues</u> (10 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated	
<u>A</u>	CRUC-6 163	Display month in a literal format for the due date	Val Trubniko v [Atlassia n]	Sten Pittet [Atlassia n]	<b>#</b>	d Close	Fixed	Jul 02, 2012	Sep 13, 2012	
<b>A</b>	CRUC-6 129	Odd and Even rows in all tables should have different shading between rows.	Jeroen De Raedt [Atlassia n]	Robert Massaioli [Atlassia n]	4	d Close	Fixed	May 08, 2012	Oct 14, 2012	
T .	CRUC-2 752	if backup cant stop one repositor y, no caches are included	Conor MacNeill [Atlassia n]	Geoff Crain [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 19, 2009	Oct 31, 2012	
•	CRUC-6 238	Perforce patches	Richard Stephens	Richard Stephens	Ŷ	d Close	Fixed	Oct 10, 2012	Oct 21, 2012	

		cannot be anchored	[Atlassia n]	[Atlassia n]		d			
<u>•</u>	CRUC-6 231	Gravatars s avatars dont show	Brendan Humphre ys [Atlassia n]	Malik Mangier [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 05, 2012	Oct 31, 2012
<u>•</u>	<u>CRUC-6</u> 204	Dead link on README .html file	Pellow	Katie Grigorato u [Atlassia n]	•	d Close	Fixed	Aug 31, 2012	Oct 23, 2012
<u>•</u>	CRUC-6 138	Deadlock s occur in c3p0 GooGoSt atement Cache when using MS SQL Server	V	Tom Davies [Atlassia n]	û	d Close	Fixed	May 31, 2012	Nov 05, 2012
<u>•</u>	CRUC-6 105	Chrome crashes if during a code review the user navigate using the shortcuts	Maciej Swinarski [Atlassia n]	Renan Battaglin [Atlassia n]	û	d Close	Fixed	Apr 05, 2012	Oct 17, 2012
	<u>CRUC-5</u> 781	In a Review containin g a single Attachme nt, the 'Go to next element' button causes an infinite Javascrip t loop	Maciej Swinarski [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	Jun 01, 2011	Oct 17, 2012
	CRUC-5 731	No entity exists with key \${helper. project.k ey} of type com.atlas	Geoff Crain [Atlassia n]	Felipe Kraemer [Atlassia n]	Ŷ	d Close	Fixed	Apr 18, 2011	Oct 28, 2012

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<u>hEyeCru</u>			
<u>cibleProj</u>			
<u>ectEntity</u>			
<u>Type</u>			

# Crucible 2.9 upgrade guide

Please refer to the FishEye 2.9 upgrade guide for important notes on upgrading to Crucible 2.9.

For details of the new features and improvements in this release, please read the Crucible 2.9 Release Notes.

### **Crucible 2.8 Release Notes**

15 August 2012

# With great pleasure, Atlassian presents Crucible 2.8, introducing social features and performance improvements.

See the change log for Crucible 2.8.x minor releases.

Visit our issue tracker to see the full list of improvements and bug fixes in Crucible and FishEye for this release.

- Upgrading from a previous version of Crucible. Upgrading Crucible should be fairly straight forward.
   We strongly recommend that you back up Crucible before upgrading. Please refer to the Crucible 2.8
   Upgrade Guide for further essential information about your upgrade.
- **Known Issues.** Please check the <u>important technical advisories</u> on the front page of the Knowledge Base for information about any known issues for this release.

### Highlights of this release:

- Mentions
- Shares
- Improved performance for the projects listing
- Support for Subversion 1.7
- End of life announcements



### Providing feedback:

Please log your <u>votes and issues</u>. They help us decide what needs doing, and are much appreciated!

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### **Mentions**

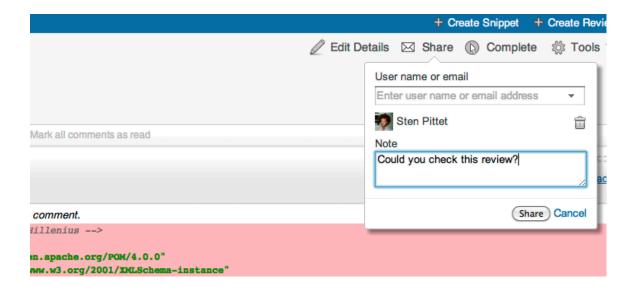
In Crucible 2.8 you can use mentions to notify other users in the changeset discussions, review comments and snippet comments. Simply type @ and the name of the person you would like to notify to create a mention.





### **Shares**

You can now share reviews with other users of Crucible as well as external people via their email. Sharing Crucible content has never been easier.





### Improved performance for the projects listing

We improved the rendering performance of the projects listing in Crucible.



### **Support for Subversion 1.7**

Crucible now supports Subversion 1.7.





### **End of life announcements**

As announced earlier, support for IBM ClearCase repositories has been removed in Crucible 2.8.

### The Crucible 2.8 team

### **Development**

### Core team

Geoff Crain Tom Davies Brendan Humphreys Conor MacNeill Richard Stephens

### Team lead

Nick Pellow

### Product management

Sten Pittet

### Project manager

Anton Mazkovoi

### **Support**

Ajay Sridhar Armen Khachatryan Daniel Rohan Douglas Fabretti Felipe Kraemer Gurleen Anand Renan Battaglin Rene Verschoor Malik Mangier

### **Others**

### **Product marketing**

Giancarlo Lionetti Jeff Park

### Quality assurance

George Filippoff

### Technical writing

Paul Watson

### Operations

James Fleming

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# **Crucible 2.8 Changelog**

This page contains information about the Crucible 2.8 minor releases. FishEye license holders should also check the FishEye 2.8 Changelog.

See the <u>Crucible 2.8 Release Notes</u> for details of what's new in 2.8.0.



A Please read the Crucible 2.8 Upgrade Guide before upgrading to any of the minor releases below.

### On this page:

- From 2.8.1 to 2.8.2
- From 2.8.0 to 2.8.1
- Crucible 2.8

### From 2.8.1 to 2.8.2

### 5 October 2012

This is a FishEye bug fix release.

### From 2.8.0 to 2.8.1

### 29 August 2012

This is a bug fix release. The complete list of issues is below.

JIRA Issu	JIRA Issues (2 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
•	CRUC-6 203	Notificati ons/Shar es don't work if Oracle is being used.	Geoff Crain [Atlassia n]	Renan Battaglin [Atlassia n]		d Close	Fixed	Aug 27, 2012	Aug 28, 2012		
	CRUC-6 200	Missing Attachme nt Upload Item's cause NullPoint erExcepti on when viewing a Review which has inline comment s on the missing attachme nt		Nick Pellow [Atlassia n]	Ŷ	d Close	Fixed	Aug 26, 2012	Aug 29, 2012		

Documentation for Crucible 2.9 247

### Crucible 2.8

# 15 August 2012

The complete list of issues is below.

JIRA Iss	JIRA Issues (16 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u>8</u>	<u>CRUC-6</u> <u>156</u>	Test upgrade from 2.7 to 2.8 on all Supporte d DBs	Unassign ed	Nick Pellow [Atlassia n]	•	d Close	Fixed	Jun 20, 2012	Jul 01, 2012		
A Company	CRUC-6 104	Allow sharing reviews using emails or account	Unassign ed	Felipe Kraemer [Atlassia n]	<b></b>	d Close	Fixed	Apr 04, 2012	Aug 13, 2012		
A	CRUC-5 146	show last indexed time of a repositor	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b></b>	d Close	Fixed	Dec 12, 2010	May 09, 2012		
<u>•</u>	CRUC-6 188	Crucible privilege escalatio n vulnerabil ity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	Ŷ	d Close	Fixed	Aug 09, 2012	Aug 21, 2012		
•	<u>CRUC-6</u> 168	A null review participa nt causes review indexing to fail partway through the set of reviews	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>.</b>	d Close	Fixed	Jul 10, 2012	Sep 26, 2012		
<u>•</u>	<u>CRUC-6</u> <u>166</u>	Setup Func Tests are failing under JDK 1.7	Geoff Crain [Atlassia n]	Nick Pellow [Atlassia n]	•	d Close	Fixed	Jul 06, 2012	Jul 09, 2012		
<u>•</u>	CRUC-6 162	Investigat e why Crucible seems to	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	Î	d Close	Fixed	Jul 02, 2012	Jul 19, 2012		

		auto-sav e always exactly when you go to post a comment							
	CRUC-6 157	Re-indexi ng crucible can cause a NullPoint erExcepti on if LogItem table contains reference s to non-exist ant users	Richard Stephens [Atlassia n]	Richard Stephens [Atlassia n]	<b>.</b>	d Close	Fixed	Jun 22, 2012	Jul 09, 2012
•	CRUC-6 151	Fix performa nce issues caused by Lower and Upper DB functions	Geoff Crain [Atlassia n]	Renan Battaglin [Atlassia n]	<b>#</b>	d Close	Fixed	Jun 17, 2012	Jul 02, 2012
<u>•</u>	CRUC-6 149	Update supporte d platforms now that Clearcas e is no longer supporte d	Paul Watson [Atlassia n]	Melanie Wright [Atlassia n]		d Close	Fixed	Jun 14, 2012	Aug 13, 2012
<u>•</u>	CRUC-6 132	NPE on manual reminder email if due date is null	Roman Tekhov [Atlassia n]	Geoff Crain [Atlassia n]	<b>.</b>	d Close	Fixed	May 22, 2012	Jul 16, 2012
<u>•</u>	CRUC-6 131	Invalid email notificatio n and inconsist	Geoff Crain [Atlassia n]	Sean Curtis [Atlassia n]	Ŷ	d Close	Fixed	May 17, 2012	Jul 29, 2012

		ent language							
<u>•</u>	CRUC-6 130	Missing parent on one side of a merge fails indexing process	Brendan Humphre ys [Atlassia n]	Renan Battaglin [Atlassia n]	<b>#</b>	d Close	Fixed	May 09, 2012	Jul 05, 2012
•	<u>CRUC-5</u> 987	LDAP/Cr owd Users auto-syn ced and added as crucible users, exceedin g licence limit	Geoff Crain [Atlassia n]	Matthew Watson	•	d Close	Fixed	Nov 28, 2011	Jun 18, 2012
•	CRUC-5 845	Whitespa ce at the end of a pasted patch are stripped off	Tom Davies [Atlassia n]	Rene Verschoo r [Atlassia n]	Ŷ	d Close	Fixed	Jul 26, 2011	Jun 18, 2012
<u>•</u>	CRUC-3 124	Permissi on scheme page fails when the usernam e is renamed	Conor MacNeill [Atlassia n]	Ming Giet Chong [Atlassia n]	•	d Close	Fixed	Feb 22, 2010	Jun 18, 2012

# **Crucible 2.8 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 2.8**. For details of the new features and improvements in this release, please read the <u>Crucible 2.8 Release Notes</u>.

### On this page:

- Upgrade Notes
- <u>Upgrade Procedure</u>
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

### Related pages:

• Crucible 2.8 Release Notes

### **Upgrade Notes**

### Crucible 2.8

### • Crucible 2.8

A minor schema change has been made to the Crucible SQL Schema in 2.8. If you need to rollback to an earlier version, you will need to restore from a backup to do so. Be sure to take a backup before you upgrade.

Please also be sure to read the End of Life Announcements for FishEye/Crucible 2.8.

### **Upgrade Procedure**



### Before you begin

- Test your upgrades in your test environment before rolling into production.
- Back up your entire Crucible instance (see <u>Backing up and restoring Crucible data</u>),
  i.e.
  - If you are backing up your Crucible instance via the Admin interface, tick all of the 'Include' checkboxes (e.g. plugins, templates, uploads, SQL database, etc).
  - If you are backing up your Crucible instance using the command-line interface, do not use any <u>exclusion options</u>.

If you are already running a version of Crucible, please follow the instructions on <u>Upgrading to a new version of Crucible</u>.

### Checking for Known Issues and Troubleshooting the Crucible Upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes Atlassian finds out about a problem with the latest version of
  Crucible after the software is released. In such cases we publish information about the known issues in
  the Crucible Knowledge Base. Please check the <u>Crucible 2.8 Known Issues</u> in the Crucible Knowledge
  Base and follow the instructions to apply any necessary patches if necessary.
- **Did you encounter a problem during the Crucible upgrade?** Please refer to the guide to <u>troubleshooting upgrades</u> in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one of our support engineers will help you.

### **Crucible 2.7 Release Notes**

7 September 2011

# With great pleasure, Atlassian presents Crucible 2.7 featuring new JIRA Transitions and Review Reminders.

### **Highlights of this Release:**

- JIRA Transitions in Crucible
- Review Reminders
- Small Improvements



- Thank you for all your issues and votes. <u>Keep logging issues</u> to help us keep improving!
- Read the <u>release notices</u> for important information about this release.

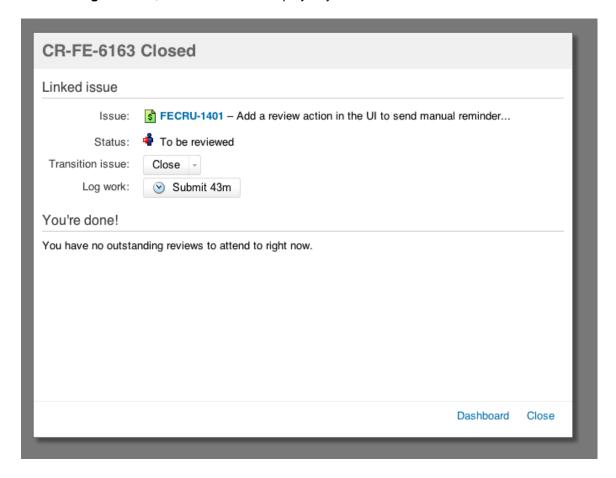
# **Highlights of Crucible 2.7**



### **JIRA Transitions in Crucible**

For Crucible reviews that are linked to JIRA issues, you can now transition these JIRA issues through workflow from within Crucible.

After closing a review, Crucible will now display any available transitions for the linked JIRA issue.



More...

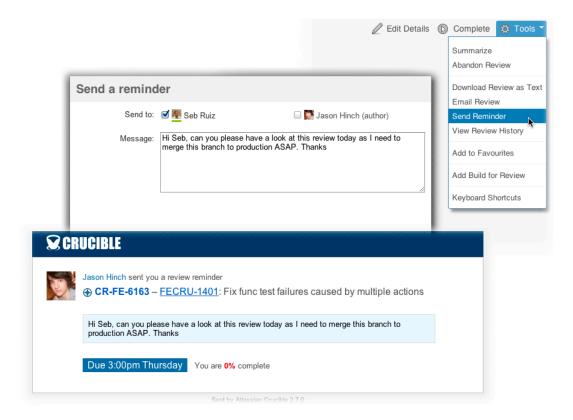
2

### **Review Reminders**

Crucible will now automatically send reviewers a reminder email one working day before the deadline.

Review authors and moderators can also do the following:

- Send manual reminders to reviewers whose work is still pending.
- Configure preset reminders for reviews that have a deadline.



More...



### **Small Improvements**

Crucible 2.7 also comes bundled with numerous other bug fixes and improvements, including:

- Syntax highlighting for Java 7, Groovy, Velocity and Scala
- Crucible can now run on Java 7
- Improved user interface for the administration screens
- Improved plugin points for developers

<u>Visit our issue tracker</u> to see the full list of improvements and bug fixes in Crucible and FishEye for this release.

### **Release Notices**

• **Upgrading from a previous version of Crucible.** Upgrading Crucible should be fairly straight forward. We strongly recommend that you back up Crucible before upgrading. Please refer to the Crucible 2.7

<u>Upgrade Guide</u> for further essential information about your upgrade.

 Known Issues. Please check the important technical advisories on the front page of the Knowledge Base for information about any known issues for this release.

# Crucible 2.7 Changelog

This page contains information about the Crucible 2.7 minor releases. FishEye license holders should also check the FishEve 2.7 Changelog.

See the Crucible 2.7 Release Notes for details of what's new in 2.7.0.



A Please read the Crucible 2.7 Upgrade Guide before upgrading to any of the minor releases below.

#### On this page:

- From 2.7.14 to 2.7.15
- From 2.7.13 to 2.7.14
- From 2.7.12 to 2.7.13
- From 2.7.11 to 2.7.12
- From 2.7.10 to 2.7.11
- From 2.7.9 to 2.7.10
- From 2.7.8 to 2.7.9
- From 2.7.7 to 2.7.8
- From 2.7.6 to 2.7.7
- From 2.7.5 to 2.7.6
- From 2.7.4 to 2.7.5
- From 2.7.3 to 2.7.4
- From 2.7.2 to 2.7.3
- From 2.7.1 to 2.7.2
- From 2.7.0 to 2.7.1

#### From 2.7.14 to 2.7.15

#### 10 July 2012

JIRA Issu	<u>es</u> (7 issue	es)							
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
	FE-4087	IllegalArg umentEx ception: No local entity with key 'REPON AME' and type 'class com.atlas sian.appli nks.appli cation.fec ru.FishEy eReposit	Geoff Crain [Atlassia n]	Nick Pellow [Atlassia n]	•	d Close	Fixed	May 07, 2012	Jul 09, 2012

		oryEntity TypeImpl' exists							
•	FE-4222	FishEye privilege escalatio n vulnerabil ity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	Ŷ	d Close	Fixed	Aug 09, 2012	Aug 21, 2012
	FE-4178	Getting "No entity exists with key <repon ame=""> of type com.atlas sian.appli nks.api.a pplication .fecru.Fis hEyeRep ositoryEn tityType" editing clicking applinks for a repositor y</repon>	Unassign	David Corley	•	d Close	Fixed	Jul 05, 2012	Jul 08, 2012
	FE-4156	Watch Emails throwing exception in certain circumsta nces	Unassign ed	Nick Pellow [Atlassia n]	Ŷ	d Close	Fixed	Jun 24, 2012	Jul 10, 2012
<u>•</u>	CRUC-6 188	Crucible privilege escalatio n vulnerabil ity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	û	d Close	Fixed	Aug 09, 2012	Aug 21, 2012
	CRUC-6 157	Re-indexi ng crucible can cause a NullPoint erExcepti on if LogItem table contains reference	Richard Stephens [Atlassia n]	Richard Stephens [Atlassia n]	<b></b>	d Close	Fixed	Jun 22, 2012	Jul 09, 2012

	s to non-exist ant users							
CRUC-6 136	java.lang. IllegalArg umentEx ception: No local entity with key 'PROJEC TNAME' and type 'class com.atlas sian.appli nks.appli cation.fec ru.FishEy eCrucible ProjectE ntityType Impl' exists	Unassign	Rene Verschoo r [Atlassia n]	<b>#</b>	d Close	Fixed	May 30, 2012	Jul 05, 2012

#### From 2.7.13 to 2.7.14

## 12 June 2012

JIRA Iss	JIRA Issues (6 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated			
<u>•</u>	FE-4119	Missing changes ets cause Hg indexing to fail	Unassign ed	Tom Davies [Atlassia n]	4	d Close	Fixed	May 30, 2012	May 30, 2012			
	FE-4111	If Anon Access is OFF. smart commits that interact with JIRA will not work	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	1	d Close	Fixed	May 24, 2012	Aug 01, 2012			
<u>•</u>	FE-4106	Fisheye 2.7.13 startup error when	Nick Pellow [Atlassia n]	Leo Leung	Ŷ	d Close	Fixed	May 24, 2012	Jun 08, 2012			

		FISHEYE INST have spaces							
	FE-4105	100+ requests of type "updateJi raTimeAj ax!defaul t" timing out when modifying Time Spent	Geoff Crain [Atlassia n]	Daniel Rohan [Atlassia n]	<b>1</b>	d Close	Fixed	May 23, 2012	Jun 08, 2012
<u>•</u>	FE-4103	NPE when indexing git repo with missing ancestor	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>.</b>	d Close	Fixed	May 22, 2012	Jun 08, 2012
<u>•</u>	CRUC-6 107	Error synchroni zing users: null	Tom Davies [Atlassia n]	Sheppe Pharis	•	d Close	Fixed	Apr 05, 2012	Jun 13, 2012

## From 2.7.12 to 2.7.13

## 21 May 2012

JIRA Issu	<u>es</u> (39 issเ	ies)							
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
	FE-3961	Emulate pre-2.7 behaviou r: when an user is created by the user synchroni sation, restore any deleted user with the same usernam e	Brendan Humphre ys [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	Ŷ	d Close	Fixed	Feb 16, 2012	Aug 20, 2012

ů.	CRUC-6 092	Email generate d via "Tools -> Email Review" has incorrect comment URLs	Brendan Humphre ys [Atlassia n]	Sylvia Yee	<b>#</b>	Resol ved	Fixed	Mar 16, 2012	May 18, 2012
<u>\$</u>	FE-4019	web-serv er/max-th reads increases from 20 to 150	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	<b>û</b>	d Close	Fixed	Mar 13, 2012	Mar 27, 2012
<u>\$1</u>	FE-4018	EyeQL Search Results not displayin g author fields	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	Ŷ	d Close	Fixed	Mar 27, 2012	Apr 09, 2012
<u>♣</u>	FE-4017	Add authentic ated user in http response headers for logging ability in reverse proxy	Brendan Humphre ys [Atlassia n]	Issa Gorissen	Ŷ	d Close	Fixed	Mar 26, 2012	Apr 05, 2012
Ä	FE-3989	Allow disabling of precise contentH ash to csid mapping	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>4</b>	d Close	Fixed	Mar 08, 2012	May 01, 2012
A Company	FE-3922	Add custom syntax highlighti ng for shell scripts	Brendan Humphre ys [Atlassia n]	edward webb	<b>#</b>	d Close	Fixed	Jan 27, 2012	Nov 07, 2012
Ä	FE-3495	com.atlas sian.crow d.excepti on.Opera tionFaile	Brendan Humphre ys [Atlassia n]	Gurleen Anand [Atlassia n]	Ŷ	d Close	Fixed	Jun 13, 2011	Jul 31, 2012

		dExcepti on if SSO is enabled with JIRA user manage ment							
A .	<u>CRUC-6</u> <u>075</u>	Link to comment s from dashboar d	[Atlassia	Frederik Dinkelak er	<b>.</b>	d Close	Fixed	Feb 26, 2012	Apr 09, 2012
Ä	CRUC-6 017	Allow plugins to detect when a draft comment is published	Richard Stephens [Atlassia n]	Olli Nevalain en [Atlassia n]	•	d Close	Fixed	Jan 04, 2012	Apr 17, 2012
<u> </u>	CRUC-6 009	Allow plugins to detect changes to reviewers or moderato r	Brendan Humphre ys [Atlassia n]	Olli Nevalain en [Atlassia n]	<b>û</b>	d Close	Fixed	Dec 21, 2011	Apr 02, 2012
	FE-4084	hidden text behind the left navigatio n panel when using Firefox 12	Unassign ed	Leonardo De Macedo [Atlassia n]		d Close	Fixed	May 01, 2012	Jun 27, 2012
	FE-4070	Fisheye does not allow usernam e returned by AuthToke n to be different from usernam e entered by user	Richard Stephens [Atlassia n]	Richard Stephens [Atlassia n]	•	d Close	Fixed	Apr 19, 2012	Apr 30, 2012

•	FE-4060	CC Indexing can fetch version 0 and index it even if before the start date.	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	<b>.</b>	d Close	Fixed	Apr 17, 2012	Apr 18, 2012
	FE-4044	Lack of usernam es element in security config can stop AJPAuth working	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	Ŷ	d Close	Fixed	Apr 11, 2012	Apr 15, 2012
	FE-4043	Handle NPE caused by changes et without a position value in Commit Graph	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	d Close	Fixed	Apr 10, 2012	Apr 15, 2012
•	FE-4036	P4 GetLates tRevision will fail for paths with no revisions - leads to excessiv e logging.	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	♣ Close d	Fixed	Apr 05, 2012	Apr 10, 2012
<u>•</u>	FE-4034	Copy from a file which existed before the start-revi sion is ignored.	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	<b>û</b>	d Close	Fixed	Apr 03, 2012	Apr 10, 2012
•	FE-4029	Store Perforce Branch Details	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	Φ	d Close	Fixed	Apr 02, 2012	Apr 25, 2012

	FE-4025	Modified port not reflected in startup message of uninitializ ed FishEye	Brendan Humphre ys [Atlassia n]	Rene Verschoo r [Atlassia n]	#	d Close	Fixed	Mar 31, 2012	Apr 04, 2012
	FE-4024	Clearcas e FileHistor y can throw an exception if no HEAD revisions	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]		d Close	Fixed	Mar 29, 2012	Apr 10, 2012
<u> </u>	FE-4020	Deleted git branches show in branch selector	Conor MacNeill [Atlassia n]	Matthew Watson	<b>.</b>	d Close	Fixed	Mar 27, 2012	Apr 18, 2012
<u>•</u>	FE-4012	Avatars in user dropdow n are too big	Richard Stephens [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Mar 22, 2012	Apr 05, 2012
	FE-4003	JIRA Applicati on Passwor d Field Not Refreshin g with Apply Button	Brendan Humphre ys [Atlassia n]	Daniel Rohan [Atlassia n]	<b>Ŷ</b>	d Close	Fixed	Mar 15, 2012	Apr 04, 2012
	FE-3986	An svn copy from an unindexe d part of a repo to an indexed part causes an error: com.cen qua.fishe ye.rep.D bExcepti on:	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	Close d	Fixed	Mar 06, 2012	Jul 13, 2012

		Attempt to load isDeleted from non existent revid = -1							
<u>•</u>	FE-3985	Display the SSID above the license textarea	Richard Stephens [Atlassia n]	Stefan Sorin Nicolin	<b>1</b>	d Close	Fixed	Mar 06, 2012	Mar 27, 2012
<u>•</u>	FE-3984	JIRA user manage ment fails if there are no groups selected to sync	Brendan Humphre ys [Atlassia n]	Ajay Sridhar [Atlassia n]	Î	d Close	Fixed	Mar 06, 2012	Apr 04, 2012
	<u>FE-3979</u>	Missing label for "Allow remote API calls" option in FishEye	Richard Stephens [Atlassia n]	Sarah Maddox [Atlassia n]	•	d Close	Fixed	Feb 27, 2012	Apr 23, 2012
	FE-3899	fisheye doesnt handle p4 branch specs in ways that p4 supports	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b>#</b>	d Close	Fixed	Jan 18, 2012	May 01, 2012
<u>•</u>	FE-3870	Removed license gets replaced by "Disabled "Impreventing Update	Conor MacNeill [Atlassia n]	Ajay Sridhar [Atlassia n]	<b>.</b>	d Close	Fixed	Dec 29, 2011	Sep 07, 2012
•	FE-3732	Switching from tag to trunk results in a 500 Server Error	Conor MacNeill [Atlassia n]	Rene Verschoo r [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 21, 2011	Apr 18, 2012

•	<u>CRUC-6</u> 125	after replying to a comment , the form to post another reply has "discard" and "keep as draft" disabled	Tom Davies [Atlassia n]	Geoff Crain [Atlassia n]	<b>•</b>	d Close	Fixed	May 03, 2012	May 08, 2012
ā	CRUC-6 116	Defect checkbox is enabled when I edit a comment	Tom Davies [Atlassia n]	Michael Heemske rk [Atlassia n]	<b>.</b>	d Close	Fixed	Apr 25, 2012	Apr 30, 2012
•	<u>CRUC-6</u> 101	webitems that throw a runtime exception will cause HTTP 500 and render crucible unusable	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	<b>#</b>	d Close	Fixed	Apr 02, 2012	Apr 10, 2012
•	CRUC-6 086	Total LoC column should not appear in Suggest Reviewer s popup for DVCS repos.	Richard Stephens [Atlassia n]	Don Willis [Atlassia n]	•	d Close	Fixed	Mar 08, 2012	Mar 30, 2012
<u>•</u>	CRUC-6 052	Crucible sometim es redirects to my host name instead of the configure d URL	Tom Davies [Atlassia n]	Borek Bernard	•	d Close	Fixed	Feb 13, 2012	Apr 10, 2012
<u>•</u>	CRUC-5	Cannot	Richard	Piotr	<b>+</b>	d Close	Fixed	Sep 29,	May 21,

	928	create Anchor Patch for GIT	Stephens [Atlassia n]	Marusza k		d		2011	2012
•	CRUC-5 779	Abandon ed reviews cannot be searched for after a Crucible reindex	Conor MacNeill [Atlassia n]	Gurleen Anand [Atlassia n]	Ŷ	♣ Close d	Fixed	May 29, 2011	Apr 22, 2012
	CRUC-4 188	Improve logging of database errors - java.sql. BatchUp dateExce ption: Batch entry 0 was aborted. Call getNextE xception to see the cause.	Tom Davies [Atlassia n]	Andrew Myers [Atlassia n]	•	♣ Close d	Fixed	Sep 12, 2010	Apr 23, 2012

#### From 2.7.11 to 2.7.12

## 16 April 2012

JIRA Issu	JIRA Issues (9 issues)												
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated				
	FE-3974	Add the new system property to the 2.7 documen tation	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>1</b>	d Close	Fixed	Feb 23, 2012	Apr 16, 2012				
Ä	FE-3973	Allow to configure the maximu m number	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]		d Close	Fixed	Feb 23, 2012	Aug 01, 2012				

		of repositori es in the Search							
<u>•</u>	FE-4016	FishEye XML Vulnerabi lity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	Ŷ	d Close	Fixed	Mar 26, 2012	May 17, 2012
•	FE-4001	Perforce branches are unnecess arily, repeatedl y, scanned	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>\$</b>	d Close	Fixed	Mar 15, 2012	Apr 02, 2012
	FE-4000	Corruptio n of CrossRe pository Index Propertie s	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	Ŷ	d Close	Fixed	Mar 14, 2012	Mar 21, 2012
	FE-3996	Cleartool since date format need to be English	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	<b>.</b>	d Close	Fixed	Mar 12, 2012	Mar 21, 2012
•	FE-3976	ClassCas tExceptio n on startup on windows	Richard Stephens [Atlassia n]	Wannes Geysen	<b>#</b>	d Close	Fixed	Feb 27, 2012	Apr 11, 2012
	FE-3970	Commit Calendar incorrect for projects including several paths in the same repositor y	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	1	d Close	Fixed	Feb 22, 2012	Feb 28, 2012
•	FE-3969	The 'Paramet ers' on the 'Databas e Configur	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	Feb 22, 2012	Oct 03, 2012

ation'			
page are			
ignored.			

## From 2.7.10 to 2.7.11

## **27 February 2012**

Туре	Key	Summar	Assigne	Reporter	Priority	Status	Resoluti	Created	Updated
\$	FE-3941	Add a limit for the number of paths to index to a changes et	Matthew Watson	Matthew Watson	Ŷ	d Close	Fixed	Feb 09, 2012	Feb 26, 2012
\$	FE-3937	Add propertie s to stop branch and tag point ancestry detection for SVN	Matthew Watson	Matthew Watson		d Close	Fixed	Feb 07, 2012	Feb 26, 2012
\$	FE-3931	Null Pointer Exceptio n com.cen qua.fishe ye.rep.im pl.Comm onFileRe vision.set Author(C ommonFi leRevisio n.java:14 9)	Brendan Humphre ys [Atlassia n]	Cardinal Armand du Piessis de Richelieu , First Minister of Louis XIII		d Close	Fixed	Feb 03, 2012	Feb 23, 2012
**	FE-3958	Content Indexing: Filter the paths to index before processin g the list twice.	Matthew Watson	Matthew Watson	<b>+</b>	d Close	Fixed	Feb 15, 2012	Feb 21, 2012

<u>**</u>	FE-3957	Lucene re-index is only triggered for cross-rep o until after first commit	Matthew Watson	Matthew Watson	<b>•</b>	♣ Close d	Fixed	Feb 15, 2012	Feb 16, 2012
<b>A</b>	FE-3956	Content Indexing: Add an option to only index trunk, not root and trunk	Matthew Watson	Matthew Watson	<b></b>	d Close	Fixed	Feb 15, 2012	Feb 26, 2012
Š.	FE-3955	ReIndex: Only delete all the content docs if there are >0 docs in the index	Matthew Watson	Matthew Watson	<b>.</b>	♣ Close d	Fixed	Feb 15, 2012	Feb 19, 2012
Š.	CRUC-6 051	Improve performa nce of the Review Blockers Report plugin	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	<b>t</b>	♣ Close d	Fixed	Feb 12, 2012	Feb 23, 2012
<u>•</u>	FE-3953	Per user LoC figures are meaningl ess when the 'All' button is selected	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>.</b>	d Close	Fixed	Feb 14, 2012	Feb 15, 2012
<u>•</u>	FE-3952	Breadcru mb links on the Users tab are incorrect when a branch is selected	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b></b>	d Close	Fixed	Feb 14, 2012	Feb 14, 2012

•	FE-3939	PHP syntax highlighting incorrectly matches keywords at the end of function names	Brendan Humphre ys [Atlassia n]	Chris Butler	<b>.</b>	<b>d</b> Close d	Fixed	Feb 08, 2012	Feb 08, 2012
•	FE-3934	Changes ets with large number of revisions can exhaust heap	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	d Close	Fixed	Feb 06, 2012	Feb 26, 2012
	FE-3932	FishEye appears hung on upgrade, till upgrade finishes.	Conor MacNeill [Atlassia n]	Matthew Watson	•	d Close	Fixed	Feb 06, 2012	Feb 23, 2012
	FE-3921	Fisheye treats files as binary if they used to have a svn:mime -type property. even after the property has been removed	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]		d Close	Fixed	Jan 26, 2012	Feb 23, 2012
	FE-3908	Investigat e lib dir containin g random JS files and directorie s. and scmutils.j ar is missing.	Unassign ed	Nick Pellow [Atlassia n]	•	d Close	Fixed	Jan 22, 2012	Feb 07, 2012
<u>•</u>	FE-3905	<u>Upgrade</u>	Matthew	Matthew	Ŷ	d Close	Fixed	Jan 20,	Jan 23,

		from 2.5->2.7 fires events for all commits and replays all smart commits	Watson	Watson		d		2012	2012
	FE-3885	Smart Commits: Using the #time comman d with a complex time format (i.e. 2d 4h) only saves the 2d part	Nick Pellow [Atlassia n]	Felipe Cuozzo [Atlassia n]	•	d Close	Fixed	Jan 12, 2012	Mar 12, 2012
•	FE-3859	Unable to add users when using IE8	Seb Ruiz [Atlassia n]	Felipe Kraemer [Atlassia n]	•	d Close	Fixed	Dec 12, 2011	Nov 07, 2012
•	FE-3855	Author column is misaligne d in Annotatio n View	Tom Davies [Atlassia n]	Timothy Lusk	Ŷ	d Close	Fixed	Dec 09, 2011	Feb 19, 2012
	FE-3851	Old broken Support Zip link still present	Brendan Humphre ys [Atlassia n]	Rene Verschoo r [Atlassia n]	Ŷ	d Close	Fixed	Dec 02, 2011	Feb 15, 2012
	FE-3608	Issue keys. wrapped in square brackets [JRA-9] are not linked correctly in quick search results	Brendan Humphre ys [Atlassia n]	Nick Pellow [Atlassia n]	•	d Close	Fixed	Jul 27, 2011	Feb 22, 2012
<u>•</u>	CRUC-6 060	Work Day	Unassign ed	Michael Heemske	Ŷ	d Close	Fixed	Feb 15, 2012	Feb 16, 2012

		Plugin throwing an exception will cause the add comment transacti on to be rolled back		rk [Atlassia n]					
<u>•</u>	CRUC-6 058	PagedSe arch is not being injected with the request in some cases	Brendan Humphre ys [Atlassia n]	Brendan Humphre ys [Atlassia n]	<b>û</b>	d Close	Fixed	Feb 14, 2012	Mar 07, 2012
•	CRUC-6 050	freemark er template s for email notificatio ns do not sufficientl y null-chec k	Brendan Humphre ys [Atlassia n]	Brendan Humphre ys [Atlassia n]	•	d Close	Fixed	Feb 12, 2012	Feb 15, 2012
•	CRUC-6 029	Reduce number of database calls when listing projects with Applicati on Links in admin screen.	Tom Davies [Atlassia n]	Nick Pellow [Atlassia n]	<b>\$</b>	d Close	Fixed	Jan 22, 2012	Feb 14, 2012
	<u>CRUC-5</u> <u>955</u>	Improve performa nce of "Applicati on Links" web item on project admin list page	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>+</b>	d Close	Fixed	Nov 02, 2011	Feb 08, 2012

#### From 2.7.9 to 2.7.10

## 20 January 2012

This is a bug fix release. The complete list of issues is below.

JIRA Issu	<u>es</u> (3 issue	es)							
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
	FE-3903	Unable to see FishEye activity stream in JIRA Activity Stream gadget on dashboar d when have Repositor y with no description	Unassign ed	Matthew Watson		d Close	Fixed	Jan 19, 2012	Jan 19, 2012
	FE-3902	Issue Transitio n controls don't appear when closing a review	Unassign ed	None		d Close	Fixed	Jan 19, 2012	Jan 19, 2012
•	FE-3900	fecru-revi ew-issue- transition -plugin fails under fisheye 2.7.9 due to incompati ble class change error	Unassign ed	Nick Pellow [Atlassia n]	<b></b>	d Close	Fixed	Jan 18, 2012	Jan 19, 2012

## From 2.7.8 to 2.7.9

## 19 January 2012

This is a bug fix release. The complete list of issues is below.

## JIRA Issues (23 issues)

Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
TA .	CRUC-6 027	New paramete r to GET /rest-serv ice/projec ts-v1 to optionally load all user data. If false. ProjectD ata.getAll owedRev iewers will return an empty list	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]		d Close	Fixed	Jan 15, 2012	Jan 17, 2012
T.	CRUC-5 999	Add REST end point for getting the list of groups	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>+</b>	♣ Close d	Fixed	Dec 06, 2011	Dec 11, 2011
	FE-3896	FishEye wrongly removes admin privileges for a Crowd group when Crowd is not up when FishEye is starting up	Nick Pellow [Atlassia n]	Alex Wei [Atlassia n]	•	d Close	Fixed	Jan 05, 2012	Jan 18, 2012
•	FE-3891	Webwork 2 vulnerabil ity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	Î	d Close	Fixed	Jan 16, 2012	Jan 31, 2012
	FE-3888	FishEye does not correctly handle moved tags	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	d Close	Fixed	Jan 15, 2012	Jan 17, 2012
•	FE-3884	<u>DefaultU</u> <u>serMana</u>	Brendan Humphre	Brendan Humphre	•	d Close	Fixed	Jan 12, 2012	Jan 12, 2012

		ger.getU sersInGr oup incorrectI Y acquires a write lock instead of a read lock	ys [Atlassia n]	ys [Atlassia n]					
	FE-3880	P4 client doesn't handle job names with a leading -	Brendan Humphre ys [Atlassia n]	Brendan Humphre ys [Atlassia n]	•	d Close	Fixed	Jan 08, 2012	Jan 09, 2012
	FE-3878	When processin g perforce file revisions, only branch specs that have been added or modified since the last restart are consider ed	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>1</b>	d Close	Fixed	Jan 08, 2012	Jan 09, 2012
	FE-3875	SVN property changes with content lines containin g certain strings break diff parsing	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>.</b>	d Close	Fixed	Jan 03, 2012	Jan 17, 2012
<u>•</u>	FE-3862	JS errors in ie8	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	•	d Close	Fixed	Dec 13, 2011	Jan 17, 2012
•	FE-3861	lock mismana gement	Brendan Humphre ys	Brendan Humphre ys	Ŷ	d Close	Fixed	Dec 12, 2011	Dec 12, 2011

		in LuceneC onnectio n	[Atlassia n]	[Atlassia n]					
	FE-3817	Clicking on repositor y in Fisheye Administr ation generate s error dialog in IE8	Anna Buttfield [Atlassia n]	Felipe Kraemer [Atlassia n]		d Close	Fixed	Nov 04, 2011	Jan 17, 2012
	FE-3790	Trying to look at the source of an empty file results in java.lang. ArrayInd exOutOf BoundsE xception1	Brendan Humphre ys [Atlassia n]	Rene Verschoo r [Atlassia n]		d Close	Fixed	Oct 20, 2011	Dec 22, 2011
	CRUC-6 028	Internal avatar on changes et comment is broken	Anna Buttfield [Atlassia n]	Brian McKenna [Atlassia n]	4	d Close	Fixed	Jan 04, 2012	Jan 18, 2012
<u>•</u>	CRUC-6 022	getRevie wsBylds performs N queries	Brendan Humphre ys [Atlassia n]	Brendan Humphre ys [Atlassia n]	•	d Close	Fixed	Jan 09, 2012	Jan 11, 2012
	CRUC-6 013	If during review creation the content of a file revision can't be uploaded (via FishEye). that file is regarded as having no content	Geoff Crain [Atlassia n]	Anna Buttfield [Atlassia n]	<b>1</b>	d Close	Fixed	Dec 27, 2011	Jan 17, 2012

	CRUC-6 010	Crucible search doesn't deal properly with author user names containin g punctuati on	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>•</b>	d Close	Fixed	Dec 22, 2011	Jan 09, 2012
<u>•</u>	CRUC-6 008	Stopped repositori es cause NPEs in crucible reviews	Unassign ed	Anna Buttfield [Atlassia n]	Ŷ	d Close	Fixed	Dec 21, 2011	Feb 09, 2012
•	CRUC-6 003	Timelines only work with a small set of timezone s		Eric Dalgliesh [Atlassia n] - Bugmast er	û	d Close	Fixed	Dec 14, 2011	Jan 09, 2012
<u>•</u>	CRUC-5 996	Review creator is unavailab le from within ReviewC reatedEv ent handler	Nick Pellow [Atlassia n]	Adrian Hempel [Atlassia n]	•	d Close	Fixed	Dec 05, 2011	Dec 13, 2011
<u>•</u>	CRUC-5 995	In some places pre-2.0 review comment s always show the {preserve -old} tags	Brendan Humphre ys [Atlassia n]	Gurleen Anand [Atlassia n]	<b>4</b>	d Close	Fixed	Dec 05, 2011	Jan 02, 2012
<u>•</u>	CRUC-5 981	Deleting a review doesn't delete associate d rows from cru feind ex msg	Brendan Humphre ys [Atlassia n]	Tom Davies [Atlassia n]	<b>û</b>	d Close	Fixed	Nov 16, 2011	Jan 17, 2012
<u>•</u>	CRUC-5	NullPoint	Brendan	Rene	<b>.</b>	d Close	Fixed	Aug 10,	Dec 15,

<u>860</u>	<u>erExcepti</u>	Humphre	Verschoo	d	2011	2011
	on when	ys	r			
	trying to	[Atlassia	[Atlassia			
	open an	n]	n]			
	existing					
	review					

## From 2.7.7 to 2.7.8

#### **30 November 2011**

JIRA Iss	<u>ues</u> (12 issu	ıes)							
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
Ä	<u>CRUC-5</u> <u>984</u>	UI improve ments to the Edit classifica tion admin screen	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>.</b>	Close d	Fixed	Nov 24, 2011	Nov 29, 2011
A .	<u>CRUC-5</u> <u>968</u>	Allow files with no extension to be treated as text rather than binary	Pierre-Eti enne Poirot [Atlassia n]	Melanie Wright [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 09, 2011	Nov 29, 2011
<u>A</u>	<u>CRUC-5</u> <u>925</u>	In Git, our separatio n of files by branch can be confusing	Pierre-Eti enne Poirot [Atlassia n]	Wesley Walser [Atlassia n]	<b>û</b>	d Close	Fixed	Sep 28, 2011	Nov 23, 2011
<u>•</u>	FE-3846	crowd admin groups get removed on startup	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b></b>	d Close	Fixed	Nov 27, 2011	Nov 29, 2011
<u>•</u>	FE-3842	"Internal Server Error" on jira issue hover	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	4	d Close	Fixed	Nov 23, 2011	Nov 23, 2011

	FE-3839	autocom plete dropdow ns give inconsist ent and sometim es wrong results (results missing)	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 20, 2011	Nov 21, 2011
•	FE-3775	Allowed Review Participa nts field doesn't work when some users are present	Pierre-Eti enne Poirot [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 11, 2011	Nov 29, 2011
	FE-3745	Changing Block Size triggers a reindex + restart, while only a restart is needed	Pierre-Eti enne Poirot [Atlassia n]	Rene Verschoo r [Atlassia n]	Ŷ	d Close	Fixed	Sep 26, 2011	Nov 24, 2011
	FE-3040	FishEye Access Logging is not writing the usernam e	Pierre-Eti enne Poirot [Atlassia n]	Felipe Kraemer [Atlassia n]	<b>#</b>	d Close	Fixed	Apr 27, 2011	Nov 29, 2011
•	FE-2473	Cannot find link for download ing latest and greatest RAW revision of a file	Pierre-Eti enne Poirot [Atlassia n]	David Hergert	4	d Close	Fixed	Feb 18, 2010	Nov 29, 2011
•	CRUC-5 951	admin.js fails in IE8	Pierre-Eti enne Poirot [Atlassia n]	Renan Battaglin [Atlassia n]	•	d Close	Fixed	Oct 25, 2011	Nov 07, 2012

•	CRUC-5	<u>Improve</u>	Pierre-Eti	Tom	•	Close	Fixed	Sep 29,	Nov 29,
	<u>927</u>	<u>behaviou</u>	enne	Davies		d		2011	2011
		<u>r when</u>	Poirot	[Atlassia					
		licence	[Atlassia	n]					
		limits are	n]						
		<u>exceede</u>							
		<u>d</u>							

## From 2.7.6 to 2.7.7

#### 21 November 2011

Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
	<u>CRUC-5</u> <u>962</u>	Internal avatars URL are always generate d with HTTP urls, even over SSL	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>+</b>	d Close	Fixed	Nov 06, 2011	Nov 09, 2011
<u>A</u>	CRUC-1 853	Display preferenc es menu doesn't disappea r when filter menu clicked or menu item is selected	Jonathan Poh [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Jul 23, 2009	Nov 16, 2011
	FE-3836	In SVN, if a tag is created and the identified parent changes et id is not indexed by FishEye the tag won't show up in the	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>+</b>	d Close	Fixed	Nov 16, 2011	Nov 17, 2011

		branches and tags dropdow n or on the commit graph							
•	FE-3833	Perforce jobids are not indexed	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	Ŷ	d Close	Fixed	Nov 15, 2011	Nov 16, 2011
<u>•</u>	FE-3832	Links in RSS feed do not use absolute URLs	Seb Ruiz [Atlassia n]	Oleg Semyono v	<b>.</b>	d Close	Fixed	Nov 15, 2011	Nov 16, 2011
<u>•</u>	FE-3826	Jetty log message s are not reported anywher e	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>û</b>	d Close	Fixed	Nov 10, 2011	Nov 16, 2011
	FE-3822	mime type mapping for file names rather than suffixes removes first character of candidat e file name before matching with key filename	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	Nov 08, 2011	Nov 17, 2011
	FE-3174	When navigatin g forward in time in activity stream, items are shown earliest to latest down the page	Michael Studman [Atlassia n]	None	•	d Close	Fixed	Sep 22, 2010	Jan 31, 2012

•	FE-3155	Browse/d iff menu inactives look active and vice-vers a	Jonathan Poh [Atlassia n]	None	<b>4</b>	d Close	Fixed	Dec 12, 2010	Nov 16, 2011
	CRUC-5 977	Crucible 'active users' list loaded unnecess arily. making review creation and editing slow	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	Nov 14, 2011	Nov 16, 2011
<u>•</u>	CRUC-5 972	Side-by- Side Diffs in Crucible are misaligne d. Line number columns are very long	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	•	d Close	Fixed	Nov 10, 2011	Nov 15, 2011
•	CRUC-5 957	Code review reply comment s saved as draft, are deleted when any reviewer complete s review	Michael Studman [Atlassia n]	Maggie Reside	•	d Close	Fixed	Nov 03, 2011	Nov 11, 2011
<u>•</u>	CRUC-5 932	The side by side diffs displayin g display 3 colums instead of 2	Adam Ahmed [Atlassia n]	Zed Yap [Atlassia n]	û	d Close	Fixed	Oct 06, 2011	Nov 17, 2011
•	CRUC-5 828	Crucible links to review comment	Jonathan Poh [Atlassia n]	Gurleen Anand [Atlassia n]	Î	d Close	Fixed	Jul 14, 2011	Nov 16, 2011

		s cut off for mail notificatio ns in Microsoft Outlook							
	CRUC-5 784	Selecting a folder in File browser in FE on IE8 causes content-v iew tabs to disappea r	Jonathan Poh [Atlassia n]	Jaie Wilson [Atlassia n]	•	d Close	Fixed	May 31, 2011	Nov 14, 2011
•	CRUC-5 751	Double spinners in Branch selector	Jonathan Poh [Atlassia n]	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	May 02, 2011	Nov 14, 2011
<u>•</u>	CRUC-5 326	Add revision popup in review vanishes when not hovered over	Jonathan Poh [Atlassia n]	Chris Lam [Atlassia n]	₽	d Close	Fixed	Jan 05, 2011	Nov 16, 2011

## From 2.7.5 to 2.7.6

## 8 November 2011

JIRA Issu	<u>es</u> (19 issu	ies)							
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
The state of the s	FE-3816	Shutdow n the thread pool once the backgrou nd upgrade tasks have been complete d	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>*</b>	d Close	Fixed	Nov 03, 2011	Nov 03, 2011
Ä	FE-3791	Change authentic	Pierre-Eti enne	Pierre-Eti enne	Ŷ	d Close	Fixed	Oct 20, 2011	Nov 01, 2011

		ation providers to return Communi cationEx ception when appropria te	Poirot [Atlassia n]	Poirot [Atlassia n]		d			
Ā	FE-3772	Add option to enable client authentic ation SSL	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>‡</b>	d Close	Fixed	Oct 09, 2011	Oct 17, 2012
Ä	FE-3611	Improve the way avatars are loaded to avoid unnecess ary calls	Anna Buttfield [Atlassia n]	Renan Battaglin [Atlassia n]	<b>4</b>	d Close	Fixed	Jul 28, 2011	Nov 03, 2011
<u> </u>	<u>CRUC-5</u> 952	Syntax highlighti ng for Scala doesn't recogniz e symbol literals.	Seb Ruiz [Atlassia n]	Leif Wickland		d Close	Fixed	Oct 26, 2011	Oct 31, 2011
	FE-3823	If the total length of the branch names selected for the commit graph is too long, the spinner never disappea rs	Unassign ed	Tom Davies [Atlassia n]	<b>.</b>	Close d	Fixed	Nov 09, 2011	Nov 10, 2011
<u>•</u>	FE-3812	When synchroni zing users with LDAP, do not	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	û	d Close	Fixed	Nov 01, 2011	Nov 01, 2011

		deactivat e users if the error is a communi cation problem							
	FE-3809	Upgrade of instances using Oracle fail when upgrade 75.sql is run	Anna Buttfield [Atlassia n]	Renan Battaglin [Atlassia n]	û	d Close	Fixed	Oct 31, 2011	Nov 02, 2011
<u>•</u>	FE-3794	Sourcing a Tag from a Tag Can cause FishEye not to display tag contents	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	d Close	Fixed	Oct 24, 2011	Nov 03, 2011
	FE-3787	When synchroni zing users with Crowd, do not deactivat e users if the error is a communi cation problem	Pierre-Eti enne Poirot [Atlassia n]	Adam Ahmed [Atlassia n]	Ŷ	d Close	Fixed	Oct 19, 2011	Aug 20, 2012
•	FE-3784	Modified tags fail in the branch selector	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	1	d Close	Fixed	Oct 18, 2011	Nov 02, 2011
	FE-3783	Activity Stream UI sometim es slow in git - it makes calls to	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	•	d Close	Fixed	Oct 17, 2011	Nov 04, 2011

		git remote show.							
	FE-3767	WARN message s 'Reposito ry index does not match the repositor y configura tion' incorrectl y logged after upgradin g to 2.7	Conor MacNeill [Atlassia n]	Michael Heemske rk [Atlassia n]		♣ Close d	Fixed	Oct 05, 2011	Nov 02, 2011
	FE-3645	Old non-http/s SimpleLi nker configura tion passes upgrade but results in error when trying to open repo	Pierre-Eti enne Poirot [Atlassia n]	Rene Verschoo r [Atlassia n]	•	d Close	Fixed	Aug 15, 2011	Nov 04, 2011
	FE-3620	Displayn ame not being picked up correctly in some cases with JIRA user manage ment	Pierre-Eti enne Poirot [Atlassia n]	Gurleen Anand [Atlassia n]	•	d Close	Fixed	Aug 03, 2011	Jan 16, 2012
<u>•</u>	CRUC-5 953	Scala syntax highlighte r highlights substring s of identifiers	Seb Ruiz [Atlassia n]	Leif Wickland	<b>‡</b>	d Close	Fixed	Nov 01, 2011	Nov 01, 2011

		as keywords							
	CRUC-5 947	Some browsers drop params to server and Migration to Postgres fails	Seb Ruiz [Atlassia n]	Gurleen Anand [Atlassia n]	Ŷ	d Close	Fixed	Oct 20, 2011	Oct 26, 2011
<u>•</u>	CRUC-5 923	Unable to add files to review using "Explore Repositor ies" option	Geoff Crain [Atlassia n]	Piotr Stefan Stefaniak [Atlassia n]	Ŷ	d Close	Fixed	Sep 26, 2011	Feb 02, 2012
<u>•</u>	CRUC-4 888	quotation marks being double escaped in latest comment text	Pierre-Eti enne Poirot [Atlassia n]	Tim Pettersen [Atlassia n]	<b>+</b>	♣ Close d	Fixed	Nov 10, 2010	Nov 08, 2011

#### From 2.7.4 to 2.7.5

## 21 October 2011

JIRA Issu	JIRA Issues (19 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated			
<u>\$</u>	FE-3799	p4 support: Cleanup and Merge the p4 ancestry suppressi on flag to 2.6/7/def ault	Conor MacNeill [Atlassia n]	Matthew Watson		d Close	Fixed	Sep 27, 2011	Jan 16, 2012			
Ä	FE-3768	FishEye logs lots of Applicati onPermis sionExce	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	<del>1</del>	d Close	Fixed	Oct 06, 2011	Oct 11, 2011			

		ption when synchroni sing Crowd users that have no permissio n on FishEye / Crucible							
	FE-3788	Git does not report an error when creating a managed repositor y over an existing one	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>1</b>	d Close	Fixed	Oct 19, 2011	Oct 19, 2011
<u>•</u>	FE-3777	Fix documen tation of the managed repositori es' REST API	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	#	d Close	Fixed	Oct 11, 2011	Oct 12, 2011
	FE-3774	Search results page fails to render for EyeQL queries > 4000 character s on Oracle.	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	•	d Close	Fixed	Oct 10, 2011	Oct 11, 2011
	FE-3755	SVN: Paths under tag directorie s are displayed as deleted / empty directorie s (greyed out)	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]		d Close	Fixed	Sep 30, 2011	Oct 11, 2011
<u>•</u>	FE-3752	Repositor	Tom	Tim	<b>Ŷ</b>	d Close	Fixed	Sep 29,	Oct 04,

		y path, includes, excludes and hidden directories should be copied to newly created forks	Davies [Atlassia n]	Pettersen [Atlassia n]		d		2011	2011
	FE-3751	'Store diffs' setting is not respecte d for initial imports of SVN repositori es	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	<b>+</b>	d Close	Fixed	Sep 28, 2011	Oct 09, 2011
<u>•</u>	FE-3737	Cannot customiz e front page with global anonymo us access turned off	Tom Davies [Atlassia n]	Gurleen Anand [Atlassia n]	•	d Close	Fixed	Sep 22, 2011	Oct 06, 2011
•	FE-3727	Review coverage report screen messed up when using Firefox 6.0.2 and Chrome 12.0.7	Michael Studman [Atlassia n]	Camila Ayres [Atlassia n]	•	d Close	Fixed	Sep 16, 2011	Oct 26, 2011
<u>•</u>	FE-3721	Error when changing content of a review	Tom Davies [Atlassia n]	Federico Silva Armas [Atlassia n]	Î	d Close	Fixed	Sep 15, 2011	Jan 16, 2012
	FE-3698	Web Hooks payload received with "applicati	Anna Buttfield [Atlassia n]	Sten Pittet [Atlassia n]	û	d Close	Fixed	Sep 06, 2011	Oct 24, 2011

		on/xml" as the content type							
	FE-3692	When pushing to a Git managed repo while another client is cloning, the client which is cloned freezes	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]		d Close	Fixed	Sep 06, 2011	Oct 09, 2011
•	FE-3678	Provide a more friendly message to the users	Anna Buttfield [Atlassia n]	Zed Yap [Atlassia n]	<b>\$</b>	d Close	Fixed	Sep 05, 2011	Oct 12, 2011
	FE-2625	code metrics error for branches directorie s	Pierre-Eti enne Poirot [Atlassia n]	Tracey Lum [Atlassia n]	<b>#</b>	d Close	Fixed	Jun 03, 2010	Oct 10, 2011
•	<u>CRUC-5</u> 914	'Allow anon users' permissio n is broken for all but 'view review' and should be removed.	Tom Davies [Atlassia n]	Michael Studman [Atlassia n]	<b>û</b>	d Close	Fixed	Sep 22, 2011	Oct 11, 2011
	<u>CRUC-5</u> 913	Commen t permissio ns don't work for 'all logged in users'	Tom Davies [Atlassia n]	Michael Studman [Atlassia n]		d Close	Fixed	Sep 22, 2011	Oct 06, 2011
•	CRUC-5 606	Very large text files produce	Anna Buttfield [Atlassia n]	Tom Davies [Atlassia n]	Ŷ	d Close	Fixed	Feb 07, 2011	May 25, 2012

		OOME when diffing							
<u>•</u>	CRUC-4 435	Same file shows up twice in a review	Michael Heemske rk [Atlassia n]	Andrew Myers [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 30, 2010	Oct 10, 2011

## From 2.7.3 to 2.7.4

## 28 September 2011

Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
•	FE-3748	NullPoint erExcepti on while loading user preferenc es from database . causing login failures	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	•	d Close	Fixed	Sep 27, 2011	Sep 27, 2011
	FE-3747	If you edit and then save a managed repositor y in Internet Explorer, the text "fork of null" will appear and the forks view will no longer be available.	Tim Pettersen [Atlassia n]	Tim Pettersen [Atlassia n]	•	d Close	Fixed	Sep 26, 2011	Sep 27, 2011
<u>•</u>	FE-3742	After a user has been deleted and then added again,	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 26, 2011	Sep 27, 2011

		subsequ ent deletions fail							
•	FE-3741	Manual Auth Re-Sync button doesn't do anything	Tom Davies [Atlassia n]	Phil Davies	<b>#</b>	d Close	Fixed	Sep 23, 2011	Sep 27, 2011
•	FE-3738	Log files not included in support zip	Matthew Watson	Matthew Watson	Ŷ	d Close	Fixed	Sep 23, 2011	Jan 16, 2012
	FE-3735	Commit events fired on Git repos when branches are added/re moved	Seb Ruiz [Atlassia n]	Matt Ryall [Atlassia n]	Ŷ	d Close	Fixed	Sep 22, 2011	Sep 27, 2011
	FE-3734	Error upon exceedin g license limit with Crowd user manage ment	Tom Davies [Atlassia n]	Gurleen Anand [Atlassia n]	<b>û</b>	d Close	Fixed	Sep 21, 2011	Sep 27, 2011
•	FE-3716	Hg authentic ation fails with special character in password	Michael Studman [Atlassia n]	Gurleen Anand [Atlassia n]	•	d Close	Fixed	Sep 13, 2011	Jan 16, 2012
•	FE-3168	Restrictin g Fisheye content in Projects Has No Effect	Michael Studman [Atlassia n]	None	•	d Close	Fixed	Dec 06, 2010	Jan 16, 2012
•	<u>CRUC-5</u> 920	Constrain tViolation Exceptio	Michael Heemske rk	Michael Heemske rk	•	d Close	Fixed	Sep 25, 2011	Sep 28, 2011

		n: Duplicate entry 'xyz' for key 'cru_user _name' after upgradin g to 2.7	[Atlassia n]	[Atlassia n]					
	CRUC-5 900	Showing only time for each changes et (not from today) on Add Content to Review screen does not make sense	Seb Ruiz [Atlassia n]	Wojciech Seliga [Atlassia n]		d Close	Fixed	Sep 11, 2011	Oct 05, 2011
	CRUC-5 891	the crucible changes et activity was never updated to the new layout, which means some css is broken	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 06, 2011	Sep 20, 2011
•	CRUC-5 866	Unable to link issue due to no OAuth prompt	Michael Studman [Atlassia n]	Conor MacNeill [Atlassia n]	Ŷ	d Close	Fixed	Aug 16, 2011	Sep 22, 2011

#### From 2.7.2 to 2.7.3

#### 20 September 2011

JIRA Issues (2 issues)											
Туре	Key Summar Assigne Reporter Priority Status Resoluti on Updated on										
<u>•</u>	FE-3717	Augment	Pierre-Eti	Pierre-Eti	•	d Close	Fixed	Sep 14,	Sep 19,		

		the git-http-b ackend from 1min to 1hour	enne Poirot [Atlassia n]	enne Poirot [Atlassia n]		d		2011	2011
<u></u>	<u>FE-3635</u>	Backup fails if write.lock file still exists in lucene	Michael Studman [Atlassia n]	Renan Battaglin [Atlassia n]	Ŷ	d Close	Fixed	Aug 09, 2011	Jan 16, 2012

#### From 2.7.1 to 2.7.2

#### 19 September 2011

Туре	Key	Summar	Assigne	Reporter	Priority	Status	Resoluti	Created	Updated
<b>A</b>	FE-3616	Change com.cen qua.fishe ye.loggin g.DailyR ollingFile Appende r to keep the extension log	Conor MacNeill [Atlassia n]	Felipe Cuozzo [Atlassia n]	*	d Close	Fixed	Aug 02, 2011	Jan 16, 2012
Ä	CRUC-5 896	JIRA title is often too long and wraps	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	4	d Close	Fixed	Sep 07, 2011	Sep 13, 2011
<u></u>	FE-3718	Eclipse Git integratio n (egit) fails to clone from managed Git repositor y	Unassign ed	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	Sep 14, 2011	Sep 19, 2011
<u>•</u>	FE-3711	Some Directory links in Quick Search have	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 12, 2011	Jan 16, 2012

		double encoded URLs							
	FE-3696	Web Hooks should be deleted when deleting a repositor y	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Sep 06, 2011	Sep 13, 2011
•	FE-3693	Paginatio n numbers at bottom of Repositor ies screen overlap with system info footer	Jonathan Poh [Atlassia n]	Rene Verschoo r [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 06, 2011	Sep 14, 2011
•	FE-3647	Google collection s and Guava both bundled, package exported without version	Conor MacNeill [Atlassia n]	Richard Wallace [Atlassia n]	<b>û</b>	d Close	Fixed	Aug 15, 2011	Sep 14, 2011
•	CRUC-5 902	changes et discussio n autosave fails with error dialog when no comment is entered	Tom Davies [Atlassia n]	Joe Xie [atlassian ]	<b>+</b>	d Close	Fixed	Sep 12, 2011	Sep 13, 2011
<u>•</u>	CRUC-5 888	Closing the Send Reminde r dialog via Esc doesn't reset it.	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 06, 2011	Sep 13, 2011

	CRUC-5 886	If the current user is a review's author, then switches to a reviewer, they show up in the manual Send Reminde r dialog.	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 06, 2011	Sep 13, 2011
<u>•</u>	CRUC-5 885	Review reminder notes do not render new lines in email	Michael Studman [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Sep 06, 2011	Sep 13, 2011
<u>•</u>	CRUC-3 298	Should be able to mark files as text when the scm reports binary	Unassign ed	Eduardo M		d Close	Fixed	Apr 09, 2010	Oct 11, 2011

#### From 2.7.0 to 2.7.1

#### 9 September 2011

JIRA Issu	<u>JIRA Issues</u> (6 issues)												
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated				
	FE-3701	CommitH ookModu leDescrip tor#enabl e can fail if ActiveObj ectsConfi guration for Commit Hooks Plugin is not	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	•	d Close	Fixed	Sep 07, 2011	Sep 11, 2011				

		available yet							
•	FE-3700	Can't reset user password	Pierre-Eti enne Poirot [Atlassia n]	Conor MacNeill [Atlassia n]	Ŷ	d Close	Fixed	Sep 07, 2011	Sep 08, 2011
<u>•</u>	FE-3695	Deleting a web hook dialog has a broken layout	Jason Hinch [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Sep 06, 2011	Sep 08, 2011
•	FE-3694	Testing a Web Hook doesn't send mock changes et displayId	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>*</b>	d Close	Fixed	Sep 06, 2011	Sep 06, 2011
<u> </u>	FE-3018	Unneces sary implicit antglobbi ng in Query3	Brendan Humphre ys [Atlassia n]	Brendan Humphre ys [Atlassia n]	4	d Close	Fixed	Apr 11, 2011	Oct 05, 2012
<u>`</u>	CRUC-3 298	Should be able to mark files as text when the scm reports binary	Unassign ed	Eduardo M	<b>1</b>	d Close	Fixed	Apr 09, 2010	Oct 11, 2011

# **Crucible 2.7 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 2.7**. For details of the new features and improvements in this release, please read the <u>Crucible 2.7 Release Notes</u>.

#### On this page:

- Upgrade Notes
  - Crucible 2.7
- <u>Upgrade Procedure</u>
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

#### **Upgrade Notes**

#### Crucible 2.7

Crucible Confluence LightSCM Plugin has Been Removed from Crucible

Previously, Crucible shipped with a plugin to enable reviews against content in Confluence. Since Confluence 4's new editor will no longer support wiki markup, this plugin has been deprecated. The Crucible plugin source as well as the source for the Confluence SCM plugin will remain open-source and are available via the Plugin Exchange at the following locations:

#### **Crucible Plugin**

#### **Confluence Crucible Plugin**

• Crucible 2.7 adds ActiveObjects support

ActiveObjects allows plugins to store configuration data in the database. Please note, any already scheduled backups will not have plugin data included during backups. Please modify your scheduled backup configuration appropriately to include ActiveObjects backups.

Confluence has a number of free and commercially available review and workflow plugins. We recommend taking take a look at these, to implement a smooth review process for Confluence pages.

#### **Upgrade Procedure**



#### Before you begin

- Test your upgrades in your test environment before rolling into production.
- Back up your entire Crucible instance (see <u>Backing up and restoring Crucible data</u>),
   i.e.
  - If you are backing up your Crucible instance via the Admin interface, tick all of the 'Include' checkboxes (e.g. plugins, templates, uploads, SQL database, etc).
  - If you are backing up your Crucible instance using the command-line interface, do not use any <u>exclusion options</u>.

If you are already running a version of Crucible, please follow the instructions on <u>Upgrading to a new version of Crucible</u>.

#### Checking for Known Issues and Troubleshooting the Crucible Upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes Atlassian finds out about a problem with the latest version of
  Crucible after the software is released. In such cases we publish information about the known issues in
  the Crucible Knowledge Base. Please check the <u>Crucible 2.7 Known Issues</u> in the Crucible Knowledge
  Base and follow the instructions to apply any necessary patches if necessary.
- **Did you encounter a problem during the Crucible upgrade?** Please refer to the guide to <u>troubleshooting upgrades</u> in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one
  of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 2.7 Release Notes

#### **Crucible 2.6 Release Notes**

6 June 2011

# With great pleasure, Atlassian presents Crucible 2.6 with

# SQL Server support, improved Quick Search, much better handling of reviews for Subversion merge commits and HTML emails.

#### Highlights of this Release:

- New Quick Search
- HTML Emails for Reviews
- Dashboard and Navigation Improvements
- SQL Server Support
- Oracle Support
- Review Creation without Metadata Changes
- Improved Patch Anchoring
- And Even More Improvements

#### Responding to your Feedback:

\*Over 269 votes satisfied



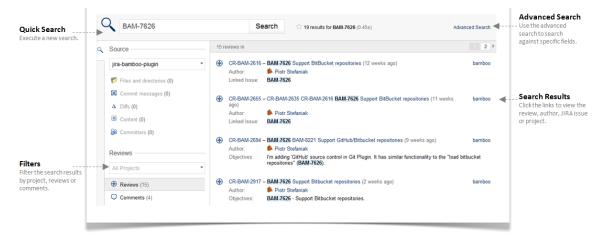
- Thank you for all your issues and votes. <u>Keep logging issues</u> to help us keep improving!
- Read the <u>release notices</u> for important information about this release.

# **Highlights of Crucible 2.6**



#### **New Quick Search**

You'll be able to find information faster using Crucible's new Quick Search. The Quick Search helps you to find the exact information that you need with a click of a button. The search results are also easy to work with – the user interface has a clean look and feel and features wiki rendering for reviews, popup summaries for JIRA issues in commit messages and more.

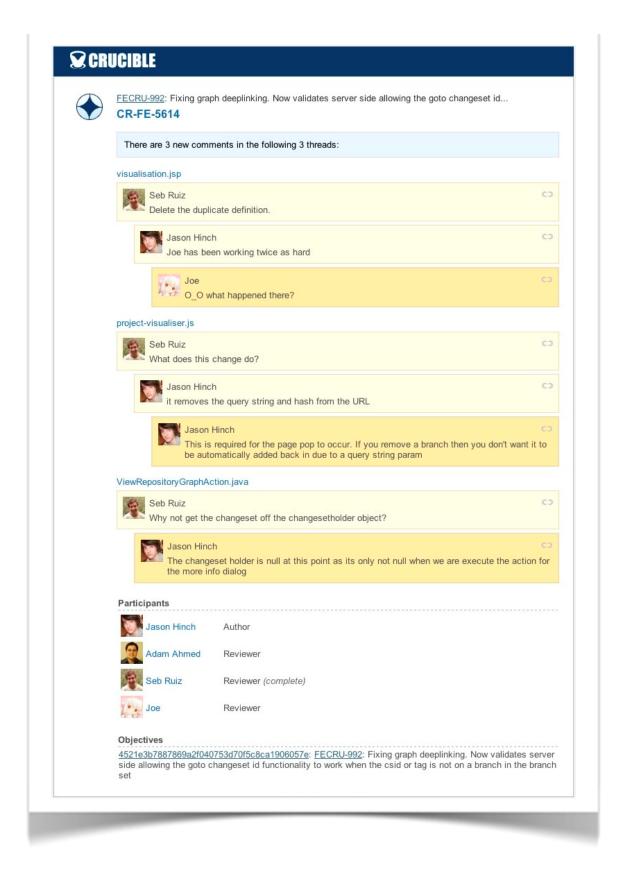


More...



#### **HTML Emails for Reviews**

A 20% time project has resulted in email notifications getting a dramatic facelift. Gone are the dreary plain text emails, replaced by much better-looking HTML emails. You'll see the new emails in action for review notifications.

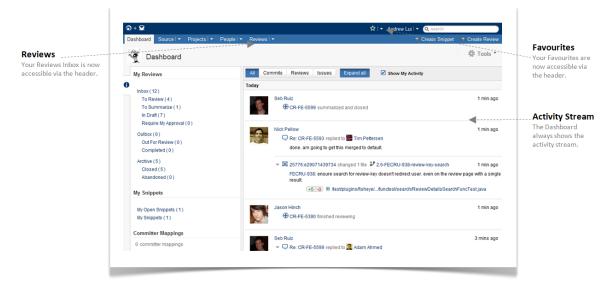




#### **Dashboard and Navigation Improvements**

The Dashboard and Header have been tweaked to simplify the user interface in this release. You won't have to

click different tabs to find the activity stream, as it will always be displayed. We've moved the other functions to the header to remove the clutter and provide you with a more streamlined view.



More...



#### **SQL Server Support**

We are happy to announce that Crucible 2.6 now supports Microsoft SQL Server 2005 and 2008.

More...



#### **Oracle Support**

We previously announced beta support for the <u>Oracle DBMS</u> in <u>Crucible 2.5</u>. We are happy to announce that this is no longer in beta, and that the Oracle DBMS is officially supported for Crucible 2.6.

More...



#### **Review Creation without Metadata Changes**

Creating a review from a Subversion commit will now exclude metadata-only changes to files. You won't get pesky svn mergeinfo properties cluttering your review screens anymore! We've also prevented changesets that are entirely svnprops changes (i.e. don't have any non-metadata changes) from being added to reviews.

More...



#### Improved Patch Anchoring

We've revamped patch anchoring in this release. All the work has been done under the covers, to improve how a patch anchors to a repository. You should just notice that anchoring patches works better, when creating a review. And if something does go wrong, we've built in better error handling so that you'll know what went wrong.

More...



#### **And Even More Improvements**

<u>Visit our issue tracker</u> to see the full list of improvements and bug fixes in FishEye and Crucible for this release.

#### **Release Notices**

- Upgrading from a previous version of Crucible. Upgrading Crucible should be fairly straightforward. W e strongly recommend that you back up Crucible before upgrading. Please refer to the Crucible 2.6 <u>Upgrade Guide</u> for further essential information about your upgrade.
- Known Issues. Please check the important technical advisories on the front page of the Knowledge Base for information about any known issues for this release.

# Crucible 2.6 Changelog

This page contains information about the Crucible 2.6 minor releases. FishEye license holders should also check the FishEve 2.6 Changelog.

See the Crucible 2.6 Release Notes for details of what's new in 2.6.0.



Please read the Crucible 2.6 Upgrade Guide before upgrading to any of the minor releases below.

#### On this page:

- From 2.6.6 to 2.6.7
- From 2.6.5 to 2.6.6
- From 2.6.4 to 2.6.5
- From 2.6.3 to 2.6.4
- From 2.6.2 to 2.6.3
- From 2.6.1 to 2.6.2
- From 2.6.0 to 2.6.1

From 2.6.6 to 2.6.7

31 January 2012

This is a bug fix release. The complete list of issues is below.

JIRA Issu	<u>JIRA Issues</u> (1 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated			
•	FE-3891	Webwork 2 vulnerabil ity	Vitaly Osipov [Atlassia n]	Paul Watson [Atlassia n]	Ŷ	d Close	Fixed	Jan 16, 2012	Jan 31, 2012			

#### From 2.6.5 to 2.6.6

#### 2 September 2011

	sues (4 issue		A !	Damantan	Dulanita	Ctatura	Deceluit	Onestad	الماملية
Type	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
•	CRUC-5 875	Review permid matching patterns are too greedy and cause number format exception s	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	<b>.</b>	♣ Close d	Fixed	Aug 26, 2011	Sep 01, 2011
<u>•</u>	CRUC-5 871	Cannot view an added file with multiple revisions in side by side diff mode	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	4	d Close	Fixed	Aug 22, 2011	Aug 28, 2011
•	CRUC-5 853	Crucible ToDo gadget links don't work due to extra slashes in the url	Joe Xie [atlassian ]	Jay Barra	•	♣ Close d	Fixed	Aug 01, 2011	Sep 08, 2011
<u>•</u>	CRUC-5 124	Extra space in review page	Joe Xie [atlassian ]	Felipe Kraemer [Atlassia n]	Ŷ	d Close	Fixed	Dec 06, 2010	Sep 01, 2011

#### From 2.6.4 to 2.6.5

#### 24 August 2011

This is a FishEye bug fix release. For details, see the FishEye 2.6 Changelog.

JIRA Issues (0 issues)										
Туре	Key	Summar V	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated	

#### From 2.6.3 to 2.6.4

#### 22 August 2011

This is a FishEye bug fix release. For details, see the FishEye 2.6 Changelog.

JIRA Issues (0 issues)											
Туре	Key	Summar	Assigne	Reporter	Priority	Status	Resoluti	Created	Updated		
		У	е				on				

#### From 2.6.2 to 2.6.3

#### 9 August 2011

JIRA Issues (5 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u>•</u>	CRUC-4 683	Create a plugin point for external activity item providers	John Kodumal [Atlassia n]	John Kodumal [Atlassia n]	<b>#</b>	d Close	Fixed	Oct 25, 2010	Aug 09, 2011		
<u>A</u>	CRUC-5 862	Patch Anchorin g: UI Improve ments for uploadin g patches	Unassign ed	Matthew Watson	Ŷ	d Close	Fixed	Jul 21, 2011	Aug 14, 2011		
•	CRUC-5 842	GZIP Attachme nts get GZIPPE D when download ed from Crucible	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	<b>.</b>	d Close	Fixed	Jul 22, 2011	Oct 24, 2011		
<u>•</u>	CRUC-5 832	Crucible Source names	Nick Pellow [Atlassia	Nick Pellow [Atlassia	4	d Close	Fixed	Jul 19, 2011	Jul 21, 2011		

		are not being trimmed, and review creation fails.	n]	n]					
<u>•</u>	CRUC-5 829	uploadin g a patch can take a very long time	Matthew Watson	Geoff Crain [Atlassia n]	Ŷ	d Close	Fixed	Jul 15, 2011	Aug 14, 2011

#### From 2.6.1 to 2.6.2

#### 20 July 2011

JIRA Iss	JIRA Issues (3 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated			
	CRUC-5 830	Admin allows the creation of permissio n schemes with blank names	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	•	d Close	Fixed	Jul 17, 2011	Jul 19, 2011			
	CRUC-5 827	minute page load time for pre-com mit diffs of large (1000LO C) files	Geoff Crain [Atlassia n]	Nick Pellow [Atlassia n]	Ŷ	d Close	Fixed	Jul 13, 2011	Jul 17, 2011			
	CRUC-5 821	ReviewIn foDao.do Incremen tal() is inefficient and causes Repo Review Indexing to hang.	Unassign ed	Trevor Samaroo	Ŷ	d Close	Fixed	Jul 07, 2011	Jul 19, 2011			

#### From 2.6.0 to 2.6.1

#### 22 June 2011

JIRA Issues (8 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
•	CRUC-5 809	Reviews with anchored patches cause NPE when anchored repositor y isn't available.	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Jun 18, 2011	Jun 20, 2011		
•	CRUC-5 783	Applinks to non-JIRA servers confuse the Crucible link review to issue process	Anna Buttfield [Atlassia n]	Conor MacNeill [Atlassia n]	<b>.</b>	d Close	Fixed	May 31, 2011	Jun 23, 2011		
<u>•</u>	CRUC-5 782	Exceptio n while looking up JIRA issue ends request in error	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>û</b>	d Close	Fixed	Jun 01, 2011	Aug 29, 2011		
	CRUC-5 780	NPE when trying to link review to JIRA issue causes failure of review creation	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	May 31, 2011	Jun 08, 2011		
<u>•</u>	<u>CRUC-5</u> 778	Moving a review between projects fails	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	Ŷ	d Close	Fixed	May 27, 2011	Jun 19, 2011		

		when the default moderato r of the destinatio n project is the same as the current moderato r							
<u>•</u>	CRUC-5 777	Recordin g which reviews contain which revisions stops a repositor y scanning	Geoff Crain [Atlassia n]	Tom Davies [Atlassia n]	Ŷ	d Close	Fixed	May 27, 2011	Jun 15, 2011
<u>•</u>	CRUC-5 773	List of JIRA Projects in linked server is cached forever	Tom Davies [Atlassia n]	Tim Pettersen	<b>.</b>	d Close	Fixed	May 25, 2011	Jun 14, 2011
•	CRUC-5 546	[Admin] "Save & Migrate" is never re-enable d	Anna Buttfield [Atlassia n]	Brendan Humphre ys [Atlassia n]	Î	d Close	Fixed	Jan 31, 2011	Jun 19, 2011

# **Crucible 2.6 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 2.6**. For details of the new features and improvements in this release, please read the <u>Crucible 2.6 Release Notes</u>.

#### On this page:

- Upgrade Notes
  - Crucible 2.6
- <u>Upgrade Procedure</u>
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

#### **Upgrade Notes**

#### Crucible 2.6

 Internet Explorer 7 and Java Platform 5 (JDK/JRE 1.5) no longer supported — As per the End of Support Announcements for Crucible (published previously), we are no longer supporting Internet Explorer 7 and Java Platform 5 (JDK/JRE 1.5) in this release. See Supported Platforms page for the full list of supported platforms for Crucible.

 Disabling review creation without metadata — Crucible 2.6 introduces review creation without metadata. This functionality is enabled by default. If you want to disable this functionality, you can do so by starting up Crucible with the following system property:

-Dcrucible.detect.metadata.revision.changes=false

For further details, read this FAQ: How do I force reviews to include SVN property changes?

#### **Upgrade Procedure**



#### Before you begin

- Test your upgrades in your test environment before rolling into production.
- Back up your entire Crucible instance (see <u>Backing up and restoring Crucible data</u>), i.e.
  - If you are backing up your Crucible instance via the Admin interface, tick all of the 'Include' checkboxes (e.g. plugins, templates, uploads, SQL database, etc).
  - If you are backing up your Crucible instance using the command-line interface, do not use any exclusion options.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

#### Checking for Known Issues and Troubleshooting the Crucible Upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible 2.6 Known Issues in the Crucible Knowledge Base and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 2.6 Release Notes

## Crucible 2.5 Release Notes

8 February 2011

# With great pleasure, Atlassian presents Crucible 2.5, now with support for Oracle and redesigned Activity Stream.

Highlights of this Release:

- Oracle Support (beta)
- Redesigned Activity Stream
- Improved Header
- Comment Notification Batching
- And Even More Improvements

#### Responding to your Feedback:





- Thank you for all your issues and votes. Keep logging issues to help us keep improving!
- Read the <u>release notices</u> for important information about this release.

# **Highlights of Crucible 2.5**



#### **Oracle Support (beta)**

We have been working very hard on adding support for the Oracle DBMS for Crucible 2.5 as this has been a very popular feature request with more that 115 votes.

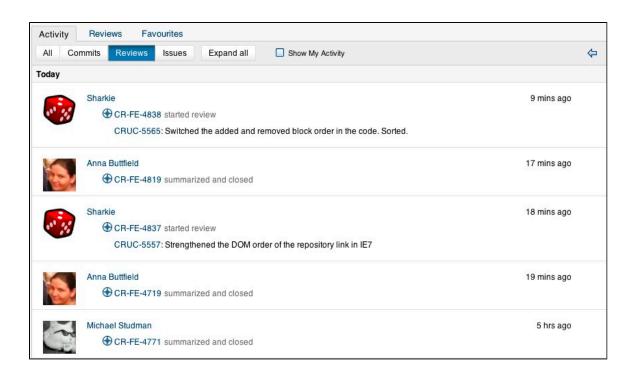
We have been using Crucible with Oracle over the past month ourselves, so we believe we are almost there. We would love for you to give Crucible a try on Oracle DBMS and let us know if you run into any problems by <u>creating an issue</u>.



#### **Redesigned Activity Stream**

We have spent a considerable amount of time improving the FishEye activity stream:

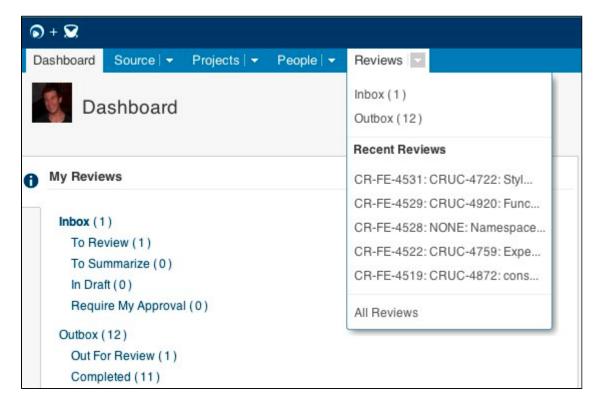
- · Cleaner visual design
- Larger avatars
- Improved scanability
- De-cluttering of UI elements, showing actions on hover
- Space-saving condensed mode so you can see more changesets on the same page





#### **Improved Header**

Crucible 2.5 tracks locations that you have recently visited, and provides quick and easy access to navigate to these resources. The five most recently viewed projects, reviews, users and repositories (if FishEye is installed) are available from the header drop down links as shown:





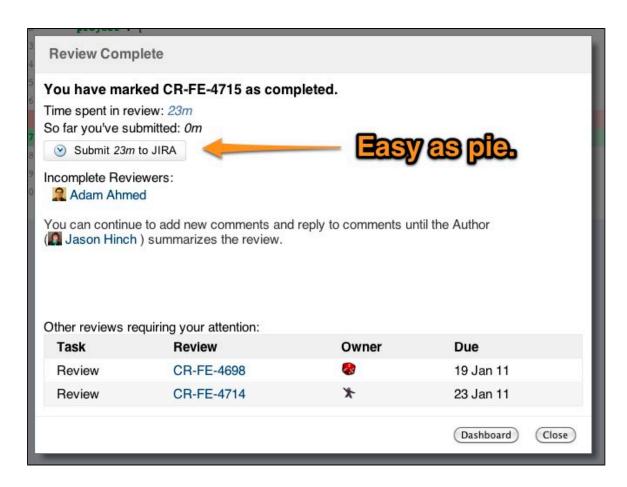
#### **Comment Notification Batching**

Email notifications from Crucible can be frequent, particularly on reviews with many participants and lots of comments. We won't say spam, but it can certainly feel "chatty!" Crucible 2.5 remedies this problem with improved batching of emails. All comments are grouped together and sent in a user-specified interval. They're easier to read and will keep your inbox happy. It works for draft comments and edited comments, too, so fixing a typo will no longer send out multiple notifications!

#### Example:

#### **And Even More Improvements**

- The <u>Universal Plugin Manager</u>
- Improved submit time dialog to JIRA:



<u>Visit our issue tracker</u> to see the full list of improvements and bug fixes in FishEye and Crucible for this release.

# Release Notices Crucible 2.5 Changelog

This page contains information about the Crucible 2.5 minor releases. FishEye license holders should also check the <u>FishEye 2.5 Changelog</u>.



Please read the <u>Crucible 2.5 Upgrade Guide</u> before upgrading to any of the minor releases below.

#### On this page:

- From 2.5.6 to 2.5.7
- From 2.5.5 to 2.5.6
- From 2.5.4 to 2.5.5
- From 2.5.3 to 2.5.4
- From 2.5.2 to 2.5.3
- From 2.5.1 to 2.5.2
- From 2.5.0 to 2.5.1

#### From 2.5.6 to 2.5.7

#### 22 June 2011

JIRA Issu	<u>ues</u> (6 issue	es)							
Туре	Key	Summar	Assigne	Reporter	Priority	Status	Resoluti	Created	Updated

		у	е				on		
<u>•</u>	CRUC-5 811	Permissi on checking bug in Crucible Review Tooltips	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]		d Close	Fixed	Jun 20, 2011	Nov 30, 2011
<u>•</u>	CRUC-5 782	Exceptio n while looking up JIRA issue ends request in error	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	Ŷ	d Close	Fixed	Jun 01, 2011	Aug 29, 2011
•	CRUC-5 780	NPE when trying to link review to JIRA issue causes failure of review creation	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>û</b>	d Close	Fixed	May 31, 2011	Jun 08, 2011
	CRUC-5 778	Moving a review between projects fails when the default moderato r of the destinatio n project is the same as the current moderato r	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	May 27, 2011	Jun 19, 2011
•	CRUC-5 773	List of JIRA Projects in linked server is cached forever	Tom Davies [Atlassia n]	Tim Pettersen	<b>.</b>	d Close	Fixed	May 25, 2011	Jun 14, 2011
•	CRUC-5 707	review coverage report	Geoff Crain [Atlassia	Geoff Crain [Atlassia	Ŷ	d Close	Fixed	Mar 31, 2011	Jun 01, 2011

gadget is	n]	n]			
<u>broken</u>					

#### From 2.5.5 to 2.5.6

#### 24 May 2011

This is a bug fix release. The complete list of issues is below.

JIRA Issu	JIRA Issues (3 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated			
	CRUC-5 540	Fix patch anchorin g when the patch generate d by IDE Connecto rs is pasted into the Crucible UI	Geoff Crain [Atlassia n]	Anton Mazkovoi [Atlassia n]	•	d Close	Fixed	Jan 31, 2011	May 18, 2011			
<u>•</u>	CRUC-5 769	NullPoint erExcepti on when anchorin g a patch	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	4	d Close	Fixed	May 18, 2011	May 19, 2011			
•	CRUC-5 767	crucible patch anchorin g doesnt support hg patches generate d from intellij	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	1	d Close	Fixed	May 17, 2011	May 18, 2011			

#### From 2.5.4 to 2.5.5

#### 11 May 2011

Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
<u>•</u>	CRUC-5 742	Pre-com mit patches diff is	Geoff Crain [Atlassia n]	Felipe Kraemer [Atlassia n]	Ŷ	d Close	Fixed	May 02, 2011	May 08, 2011

		mixing files together							
	<u>CRUC-5</u> 727	Pressing 'N' or 'P' to traverse comment s from general comment s page causes js error	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>\$</b>	d Close	Fixed	Apr 14, 2011	Apr 18, 2011
•	CRUC-5 722	NullPoint erExcepti on when sorting revisions we a mix of null and not null branches	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	<b>û</b>	d Close	Fixed	Apr 13, 2011	Jul 14, 2011
•	CRUC-5 356	atl.gener al decorator is not applied in Crucible	Tim Pettersen [Atlassia n]	Mario Mueller	<b>#</b>	d Close	Fixed	Jan 11, 2011	Jul 18, 2011
•	CRUC-4 143	View Drafts not viewing drafts	Adam Ahmed [Atlassia n]	Don Willis [Atlassia n]	•	d Close	Fixed	Aug 31, 2010	Apr 12, 2011
<u>•</u>	CRUC-3 766	Repositor y path with space breaks the patch review	Geoff Crain [Atlassia n]	Ming Giet Chong [Atlassia n]	•	d Close	Fixed	Jul 15, 2010	May 29, 2011
<u>•</u>	CRUC-3 702	pre-com mit patches reviews don't work	Geoff Crain [Atlassia n]	Justus Pendleto n [Atlassia n]	<b>û</b>	d Close	Fixed	Jun 29, 2010	May 29, 2011

#### From 2.5.3 to 2.5.4

#### 11 April 2011

	sues (7 issue		A - •	D	D.: 1:	04.4	D	0 ( )	11 1
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
•	<u>CRUC-5</u> 715	After migrating to a different database . session factories injected into spring beans still point to the old database .	Unassign ed	Tom Davies [Atlassia n]	•	d Close	Fixed	Apr 06, 2011	Apr 07, 2011
<u>•</u>	CRUC-5 710	Web Resource s are loaded twice on pages rendered with some decorator s	Jason Hinch [Atlassia n]	Jason Hinch [Atlassia n]	<b>1</b>	d Close	Fixed	Apr 05, 2011	Apr 07, 2011
<u></u>	CRUC-5 673	Time field displayed incorrectl y when editing review	Adam Ahmed [Atlassia n]	Felipe Kraemer [Atlassia n]	4	d Close	Fixed	Mar 11, 2011	Mar 31, 2011
•	<u>CRUC-5</u> 657	Add comment using Chrome ends up with no review content	Adam Ahmed [Atlassia n]	Brad Baker [Atlassia n]	Ŷ	d Close	Fixed	Mar 07, 2011	Apr 18, 2011
•	CRUC-5 644	RSS Feed option under Tools menu is not displayin	Craig Sharkie [Atlassia n]	Felipe Kraemer [Atlassia n]	1	d Close	Fixed	Feb 24, 2011	Apr 08, 2011

		g correctly on IE7							
•	CRUC-5 585	Date format error in edit crucible review dialog	Adam Ahmed [Atlassia n]	Jake Causby [Atlassia n]	<b>‡</b>	d Close	Fixed	Feb 03, 2011	Apr 11, 2011
•	CRUC-5 427	reloading content in reviews doesnt work. at all.	Adam Ahmed [Atlassia n]	Geoff Crain [Atlassia n]	•	d Close	Fixed	Jan 18, 2011	Mar 31, 2011

#### From 2.5.2 to 2.5.3

#### 28 March 2011

T	sues (7 issue		A !	D = 11 = 114 = 11	Duianit	04-4	Danalust	0	Linalate i
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
<u>•</u>	CRUC-5 685	No Tools Menu on Snippet Review screen	Conor MacNeill [Atlassia n]	Eric Scheie	•	d Close	Fixed	Mar 17, 2011	Mar 27, 2011
<u>•</u>	CRUC-5 670	"Add invitee" button does not work	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Mar 10, 2011	Mar 13, 2011
<u>•</u>	CRUC-5 669	LocMetri csServic e.getLoc Count() returns incorrect results	Joe Xie [atlassian ]	Joe Xie [atlassian]	<b>.</b>	d Close	Fixed	Mar 10, 2011	Mar 28, 2011
<u>•</u>	CRUC-5 662	Branch Order in branch selector drop down should be sorted better	Seb Ruiz [Atlassia n]	Brydie McCoy [Atlassia n]	•	d Close	Fixed	Mar 08, 2011	Mar 21, 2011
•	CRUC-5	Searchin	Seb Ruiz	Brydie	Ŷ	d Close	Fixed	Mar 08,	Mar 21,

	661	g with branch selector doesn't show all results	[Atlassia n]	McCoy [Atlassia n]		d		2011	2011
•	CRUC-5 436	UI Errors: Problems calling function 'cru:getSt yleClass' and similar	Conor MacNeill [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Jan 18, 2011	Jun 06, 2011
<u>•</u>	CRUC-5 117	Image files (jpg) not completel y visible in source tab	Adam Ahmed [Atlassia n]	Gurleen Anand [Atlassia n]	•	♣ Close d	Fixed	Dec 02, 2010	Apr 03, 2011

#### From 2.5.1 to 2.5.2

#### 8 March 2011

JIRA Iss	JIRA Issues (21 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u> </u>	CRUC-5 648	Bundle a Lucene optimizer as an offline comman d	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	<b>1</b>	d Close	Fixed	Mar 01, 2011	Jul 17, 2011		
A	CRUC-5 138	Add an offline comman d to optimize the indexes	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]	4	d Close	Fixed	Dec 09, 2010	Sep 15, 2011		
T.	CRUC-4 818	Need to prevent UAL (and depende nt) plugins from being disabled.	Tom Davies [Atlassia n]	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	Nov 04, 2010	Feb 14, 2011		

<u>•</u>	<u>CRUC-5</u> 735	XSS vulnerabil ity in Crucible Author Mapping	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]		d Close	Fixed	Apr 20, 2011	May 30, 2011
<u>•</u>	CRUC-5 734	XSS vulnerabil ity in Crucible' s Snippets	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]		d Close	Fixed	Apr 20, 2011	May 30, 2011
<u>•</u>	CRUC-5 652	After 2.5 upgrade indexing stops with error "Change set comment message s may not be null or empty"	Michael Studman [Atlassia n]	Gurleen Anand [Atlassia n]	Ŷ	d Close	Fixed	Feb 15, 2011	Mar 06, 2011
	CRUC-5 645	Files that are added/m oved should take up the whole width of the pane, even if side by side view is selected	Geoff Crain [Atlassia n]	Joe Xie [atlassian]	•	d Close	Fixed	Feb 24, 2011	Mar 01, 2011
•	CRUC-5 643	No vertical scroll bar visible when adding changes et to Crucible review under IE 7.0	Craig Sharkie [Atlassia n]	Felipe Kraemer [Atlassia n]	<b>4</b>	d Close	Fixed	Feb 24, 2011	Mar 03, 2011
<u>•</u>	CRUC-5 641	NullPoint erExcepti on in REST	Anna Buttfield [Atlassia n]	Pierre-Eti enne	Ŷ	d Close	Fixed	Feb 21, 2011	Mar 06, 2011

		search reviews for terms (because of an invalid HQL query)		Poirot [Atlassia n]					
	CRUC-5 636	JavaScri pt syntax highlighte r does not highlight undefine d and delete keywords	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>•</b>	d Close	Fixed	Feb 21, 2011	Feb 21, 2011
•	CRUC-5 635	Defect classifica tion screens show id instead of label	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>1</b>	d Close	Fixed	Feb 21, 2011	Feb 21, 2011
<u> </u>	CRUC-5 626	Git patch parsing throws a NPE	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>.</b>	d Close	Fixed	Feb 16, 2011	Mar 09, 2011
	CRUC-5 622	Getting the list of projects via the api (either rest-servi ce/projec ts-v1 or projectSe rvice.get AllProject s) fails with a LazyInitia lizationEx ception	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	<b>+</b>	d Close	Fixed	Feb 15, 2011	Apr 07, 2011
	CRUC-5 616	Empty response s from p4 comman ds cause NullPoint erExcepti on	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	d Close	Fixed	Feb 10, 2011	Apr 08, 2011

•	CRUC-5 615	java.lang. NoClass DefFoun dError: org/tigris/ subversio n/javahl/ SVNClie nt thrown on startup	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	<b>1</b>	d Close	Fixed	Feb 09, 2011	Jul 11, 2011
<u>•</u>	<u>CRUC-5</u> 539	Problem with handling files with spaces	lan Grunert [Atlassia n]	Anton Mazkovoi [Atlassia n]	Ŷ	d Close	Fixed	Jan 30, 2011	Mar 06, 2011
•	CRUC-5 429	Error generatin g FishEye backup on Windows	Adam Ahmed [Atlassia n]	Felipe Kraemer [Atlassia n]	#	d Close	Fixed	Jan 18, 2011	Apr 06, 2011
<u>•</u>	<u>CRUC-4</u> 984	"that is unreview ed" filter is broken	Adam Ahmed [Atlassia n]	Agnes Ro [Atlassia n]	Ŷ	d Close	Fixed	Nov 18, 2010	Feb 16, 2011
	CRUC-4 787	Patch reviews from mercurial diffs don't anchor to their repositor y	Geoff Crain [Atlassia n]	Nicolas Venegas [Atlassia n]		d Close	Fixed	Nov 03, 2010	Nov 15, 2011
<u>•</u>	CRUC-3 885	No full context when anchorin g patches from CVS	Geoff Crain [Atlassia n]	Andrew Myers [Atlassia n]	<b>1</b>	d Close	Fixed	Aug 06, 2010	Mar 01, 2011
<u>•</u>	CRUC-3 346	Patch anchorin g doesn't seem to work with P4 patch	Geoff Crain [Atlassia n]	Ming Giet Chong [Atlassia n]	•	d Close	Fixed	Apr 13, 2010	Mar 01, 2011

From 2.5.0 to 2.5.1

10 February 2011

JIRA Iss	JIRA Issues (17 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u>A</u>	CRUC-5 612	Make Oracle multidb tests support testing of upgrades	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	<b>.</b>	♣ Close d	Fixed	Feb 09, 2011	Feb 16, 2011		
•	CRUC-5 609	Review rss feed provides no way to navigate to review in thunderbi rd	Seb Ruiz [Atlassia n]	Brydie McCoy [Atlassia n]	Ŷ	♣ Close d	Fixed	Feb 08, 2011	Feb 09, 2011		
<u>•</u>	CRUC-5 608	Cannot Edit Per-Repo sitory Authentic ation Settings	Jason Hinch [Atlassia n]	Dylan Hansen [Atlassia n]	<b>.</b>	♣ Close d	Fixed	Feb 08, 2011	Jun 23, 2011		
	<u>CRUC-5</u> 599	Upgrade scripts do not always create the same schema as scripts to create a new database	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	<b>+</b>	♣ Close d	Fixed	Feb 07, 2011	Feb 16, 2011		
<u>•</u>	CRUC-5 597	The "Tabs" on the statistics panel of the "Project View" do not work in JIRA 4.2.3 and JIRA 4.3	Joe Xie [atlassian ]	Brenden Bain [Atlassia n]	4	d Close	Fixed	Feb 06, 2011	Feb 13, 2011		
<u>•</u>	<u>CRUC-5</u> <u>594</u>	Adding an AppLink	Luis Miranda [Atlassia	Brenden Bain [Atlassia	Ŷ	d Close	Fixed	Feb 04, 2011	Feb 13, 2011		

		to a "standalo ne Crucible" creates a FishEye configura tion that is	n]	n]					
	CRUC-5 581	UAL webitem link for fisheye configura tion links to a page that shows all possible options, even if those options are global and will not apply to the instance being edited	Luis Miranda [Atlassia n]	Joe Xie [atlassian ]	<b>\$</b>	d Close	Fixed	Feb 02, 2011	Feb 13, 2011
	CRUC-5 574	Update "refresh cache" links to synch form App Links as well.	Joe Xie [atlassian ]	Mark Lassau [Atlassia n]	4	d Close	Fixed	Feb 02, 2011	Feb 15, 2011
•	CRUC-5 526	FishEyel nstance gets re-create d on JIRA restart	Joe Xie [atlassian ]	Luis Miranda [Atlassia n]	Ŷ	d Close	Fixed	Jan 30, 2011	Feb 13, 2011
	CRUC-5 475	Create func tests for all search result pages	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	û	d Close	Fixed	Jan 21, 2011	Feb 20, 2011
	CRUC-5	Add a	Joe Xie	Luis	4	d Close	Fixed	Jan 18,	Feb 15,

	426	link in admin UI to UAL admin screen	[atlassian]	Miranda [Atlassia n]		d		2011	2011
	CRUC-5 400	On Plugin startup. synchroni se App Links	Joe Xie [atlassian ]	Mark Lassau [Atlassia n]	4	d Close	Fixed	Jan 17, 2011	Feb 13, 2011
\$	CRUC-5 188	Update admin UI	Mark Lassau [Atlassia n]	Joe Xie [atlassian ]	Ŷ	d Close	Fixed	Dec 13, 2010	Feb 13, 2011
	CRUC-5 183	Extend oauth services to REST resource s (such as gadgets)	Joe Xie [atlassian ]	Joe Xie [atlassian ]	Ŷ	d Close	Fixed	Dec 13, 2010	Feb 13, 2011
\$	CRUC-5 156	upgrade tasks to create Applicati on Links for existing legacy links on plugin startup	Joe Xie [atlassian ]	Joe Xie [atlassian ]		d Close	Fixed	Dec 12, 2010	Feb 13, 2011
\$	CRUC-5 154	Add support for OAuth authentic ation	Joe Xie [atlassian ]	Joe Xie [atlassian ]	•	d Close	Fixed	Dec 12, 2010	Feb 13, 2011
<u>•</u>	CRUC-5 026	ActivitySt reamHan dler incorrectl y uses Source.g etChang eset(csid) to validate a changes et ID	Tom Davies [Atlassia n]	Brendan Humphre ys [Atlassia n]	<b>û</b>	d Close	Fixed	Nov 23, 2010	Nov 14, 2011

**Crucible 2.5 Upgrade Guide** 

Below are some important notes on upgrading to **Crucible 2.5**. For details of the new features and improvements in this release, please read the <u>Crucible 2.5 Release Notes</u>.

#### On this page:

- Upgrade Notes
- <u>Upgrade Procedure</u>
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

#### **Upgrade Notes**

- Crucible 2.5:
  - 1 This is only relevant when Crucible is run in conjunction with FishEye.

    This release will trigger an automatic upgrade of the metadata index the first time Crucible is started. Crucible is still usable while this task runs in the background, however the FishEye search functionality will not contain all results. A warning will appear in the UI until the upgrade has complete. Please also see <a href="How do I avoid long reindex times when I upgrade">How do I avoid long reindex times when I upgrade</a>

#### **Upgrade Procedure**



#### Before you begin

- Test your upgrades in your test environment before rolling into production.
- Back up your entire Crucible instance (see <u>Backing up and restoring Crucible data</u>), i.e.
  - If you are backing up your Crucible instance via the Admin interface, tick all of the 'Include' checkboxes (e.g. plugins, templates, uploads, SQL database, etc).
  - If you are backing up your Crucible instance using the command-line interface, do not use any <u>exclusion options</u>.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of <u>Crucible</u>.

#### **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible
  after we have released the software. In such cases we publish information about the known issues in the
  Crucible Knowledge Base. Please check the <u>Crucible 2.5 Known Issues</u> in the Crucible Knowledge Base
  and follow the instructions to apply any necessary patches if necessary.
- **Did you encounter a problem during the Crucible upgrade?** Please refer to the guide to <u>troubleshooting upgrades</u> in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 2.5 Release Notes

## **Crucible 2.4 Release Notes**

20 October 2010

# With great pleasure, Atlassian presents the all-inclusive y

# et self-sufficient Crucible 2.4.

#### Highlights of this Release:

- Easier Application Linking
- Native Repository Access
- Starter Licenses
- Adding Changesets to Reviews Simplified
- User Interface Improvements
- Snippets Tweaks
- And Even More Improvements

#### Responding to your Feedback:





- Thank you for all your issues and votes. <u>Keep logging issues</u> to help us keep improving!
- Read the release notices for important information about this release.

# **Highlights of Crucible 2.4**



#### **Easier Application Linking**

Crucible now includes a brand new version of the Application Links plugin. You can use this plugin to easily link your Crucible instance to other applications, like a <u>JIRA</u> server or another Crucible instance. You can choose between the Trusted Applications protocol, OAuth or basic HTTP authentication. Linking two applications allows you to share information and access one application's functions from within the other. For example, if you linked your Crucible instance with a JIRA server, you could view JIRA issues in your Crucible activity stream or view the reviews associated with an issue/project in JIRA.



More...



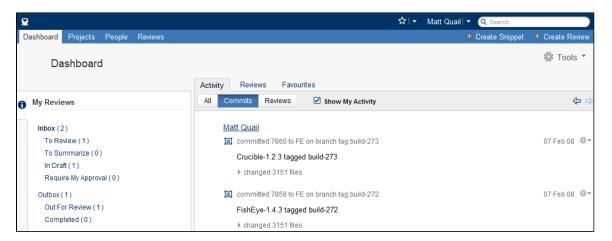
#### **Native Repository Access**

If you are using Crucible without Atlassian's FishEye, you can now connect to your Subversion, Perforce, CVS,

Git, Mercurial or ClearCase repositories seamlessly without using plugins. You will notice a suite of improvements including:

- improved performance for day-to-day operations,
- · commits displayed in all activity streams,
- · the ability to search and browse for files during reviews, and
- repository administration via the Administration Console.

Upgrading to FishEye is also a breeze, if you choose to migrate to a full FishEye license in the future.



More....



### **Starter Licenses**

Crucible has joined the starter license party! Get started with code review on a full-featured perpetual license at a fraction of the cost. Best of all, all proceeds from our starter licenses go to charity.

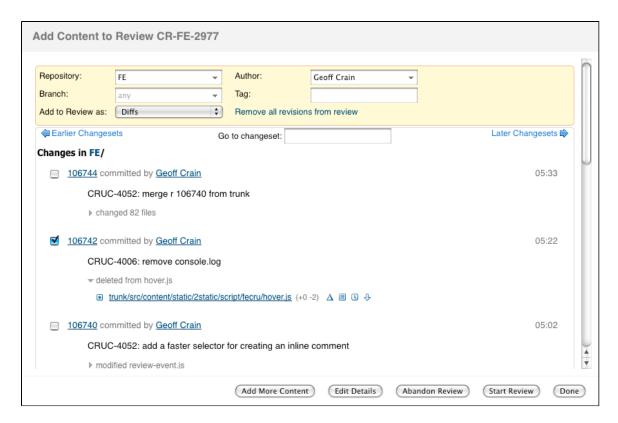


More....



# **Adding Changesets to Reviews Simplified**

It's even easier to create reviews in this release, as we've simplified the process of adding changesets to reviews. You now only have to worry about which changeset to add to a review, rather than browse all the revisions. Revisions are added as iterations, by default. You can still remove revisions later, if you want.

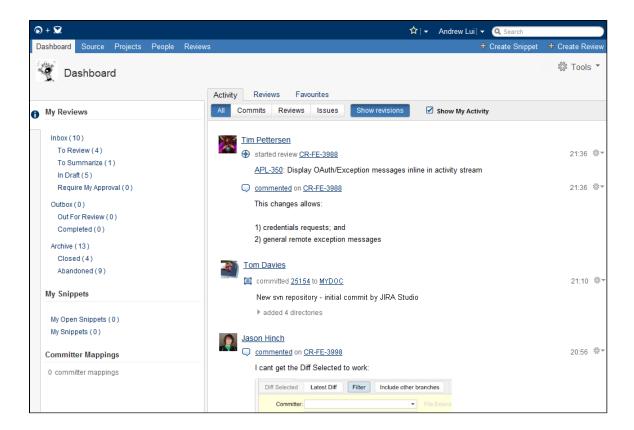


### More....



# **User Interface Improvements**

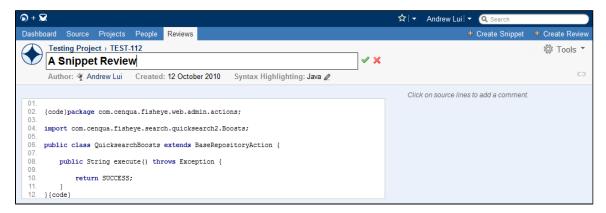
We're continuing our ongoing work to improve the Crucible user interface. This release includes a brand new Crucible inbox and a redesigned header. We've also improved the toolbars on a number of screens including the dashboard, as well as replaced dropdowns throughout the application with autocomplete controls.





# **Snippets Tweaks**

The popular snippet reviews introduced in Crucible 2.3 have been further improved in this release. We've added inline editing of snippet titles as well as syntax highlighting, for existing snippets.



More....



### **And Even More Improvements**

<u>Visit our issue tracker</u> to see the full list of improvements and bug fixes in FishEye and Crucible for this release.

Documentation for Crucible 2.9 328

### **Release Notices**

- Upgrading from a previous version of Crucible. Upgrading Crucible should be fairly straightforward. W e strongly recommend that you back up Crucible before upgrading. Please refer to the Crucible 2.4 <u>Upgrade Guide</u> for further essential information about your upgrade.
- Known Issues. Please check the important technical advisories on the front page of the Knowledge Base for information about any known issues for this release.

# Crucible 2.4 Changelog

This page contains information about the Crucible 2.4 minor releases. FishEye license holders should also check the FishEve 2.4 Changelog.



A Please read the Crucible 2.4 Upgrade Guide before upgrading to any of the minor releases

### On this page:

- From 2.4.5 to 2.4.6
- From 2.4.4 to 2.4.5
- From 2.4.3 to 2.4.4
- From 2.4.2 to 2.4.3
- From 2.4.1 to 2.4.2
- From 2.4.0 to 2.4.1

#### From 2.4.5 to 2.4.6

### 11 April 2011

<u>JIRA Issues</u> (6 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated	
<u>•</u>	FE-3032	XSS vulnerabil ity in FishEye/ Crucible Reviews List	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]	•	d Close	Fixed	Apr 20, 2011	May 30, 2011	
	FE-3031	xss vulnerabil ity in FishEye/ Crucible dashboar d- review activity	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]		d Close	Fixed	Apr 20, 2011	May 30, 2011	
<u>•</u>	CRUC-5 735	XSS vulnerabil ity in Crucible Author Mapping	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]	•	d Close	Fixed	Apr 20, 2011	May 30, 2011	

<u>•</u>	CRUC-5 734	XSS vulnerabil ity in Crucible' s Snippets	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]	•	d Close	Fixed	Apr 20, 2011	May 30, 2011
•	CRUC-5 616	Empty response s from p4 comman ds cause NullPoint erExcepti on	Tom Davies [Atlassia n]	Tom Davies [Atlassia n]	•	♣ Close d	Fixed	Feb 10, 2011	Apr 08, 2011
<u>•</u>	CRUC-5 429	Error generatin g FishEye backup on Windows	Adam Ahmed [Atlassia n]	Felipe Kraemer [Atlassia n]	<b>.</b>	d Close	Fixed	Jan 18, 2011	Apr 06, 2011

### From 2.4.4 to 2.4.5

# 3 February 2011

Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
<u></u>	FE-3172	ClearCas e: symbolic links cause errors during indexing	Michael Heemske rk [Atlassia n]	None	Ŷ	d Close	Fixed	Apr 07, 2010	May 09, 2011
<u>•</u>	CRUC-5 737	XSS vulnerabil ity in Crucible Commen ts Search	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]	•	d Close	Fixed	Apr 20, 2011	May 15, 2011
<u></u>	CRUC-5 736	XSS vulnerabil ity in Crucible changes et comment	Vitaly Osipov [Atlassia n]	Andrew Lui [Atlassia n]		d Close	Fixed	Apr 20, 2011	May 30, 2011

		s in search results							
<u>•</u>	CRUC-5 392	Improve notificatio n DB query performa nce	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	<b>1</b>	d Close	Fixed	Jan 14, 2011	Feb 01, 2011
Ä	CRUC-5 362	Check UCM root dirs against include rules to avoid needless lshistory calls	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	•	d Close	Fixed	Jan 11, 2011	Feb 01, 2011
<u>•</u>	CRUC-5 359	REST API CreateRe view issues	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	<b>t</b>	d Close	Fixed	Jan 11, 2011	Feb 01, 2011
<u></u>	CRUC-5 317	Can't Create Reviews via REST API using JSON	Conor MacNeill [Atlassia n]	Dylan Hansen [Atlassia n]	Ŷ	d Close	Fixed	Jan 05, 2011	Sep 01, 2011
<u></u>	CRUC-5 117	Image files (jpg) not completel y visible in source tab	Adam Ahmed [Atlassia n]	Gurleen Anand [Atlassia n]	•	d Close	Fixed	Dec 02, 2010	Apr 03, 2011

### From 2.4.3 to 2.4.4

# 11 January 2011

This is a bug fix release. The complete list of issues is below.

The release includes fixes for a number of security issues. Please see the <u>Security Advisory</u> for more information.

JIRA Issues (36 issues)											
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u>A</u>	FE-3420	Disable HTTP chunking when	Jason Hinch [Atlassia n]	Pierre-Eti enne	<b>.</b>	d Close	Fixed	Dec 01, 2010	May 09, 2011		

		sending SOAP requests to JIRA		Poirot [Atlassia n]					
	FE-3376	GWT Admin: Some styling touchups needed on filterable/ pageable repositor y lists	Unassign ed	None	<b>\$</b>	d Close	Fixed	Oct 28, 2010	May 09, 2011
Ä	FE-3362	Improve the Git documen tation	Andrew Lui [Atlassia n]	Andrew Lui [Atlassia n]	•	d Close	Fixed	Sep 22, 2010	May 09, 2011
<u>•</u>	FE-3355	ClearCas e: indexing stops when a branch is defined but never used in a VOB.	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	Ŷ	d Close	Fixed	Jan 03, 2011	May 09, 2011
F.	FE-3248	ClearCas e UCM activity support is brittle (detectio n of modified activities etc.)	Unassign ed	Michael Heemske rk [Atlassia n]	<b>₽</b>	d Close	Fixed	Aug 27, 2010	May 09, 2011
<b>©</b>	FE-3187	Base ClearCas e: File revisions from excluded branches are not picked up when merged to an included branch	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Sep 16, 2010	May 09, 2011
•	FE-3176	Copy and	Jason	None	4	♣ Close	Fixed	Nov 30,	May 09,

		rename detection for Git repositori es is broken	Hinch [Atlassia n]			d		2010	2011
<u>.</u>	FE-3171	Repositor ies created with . in the name cannot be loaded in Admin Console	Michael Studman [Atlassia n]	None	•	d Close	Fixed	Nov 12, 2010	May 09, 2011
<u>•</u>	FE-3170	ClearCas e: ancestor relations are not created for CC file revisions	Michael Heemske rk [Atlassia n]	None	Ŷ	d Close	Fixed	Oct 14, 2010	May 09, 2011
	FE-3138	When using git, iterating over the manifest (for tags or branch heads) is too slow	Michael Heemske rk [Atlassia n]	None	1	d Close	Fixed	Dec 08, 2010	May 09, 2011
•	FE-3086	ClearCas e: checkins of different users may be grouped into the same changes et	Unassign ed	None	•	d Close	Fixed	Nov 03, 2010	May 09, 2011
<u>•</u>	FE-3079	Fisheye Incompat ible with Git 1.7.3 on Windows	Jason Hinch [Atlassia n]	None	Ŷ	d Close	Fixed	Nov 29, 2010	May 09, 2011
Ä	FE-1883	Option to disable	Unassign ed	Ryan Chee	•	d Close	Fixed	Jul 03, 2009	Mar 03, 2011

		the people tab for security reasons		[Atlassia n]					
•	<u>CRUC-5</u> 312	XSS vulnerabil ity in FishEye/ Crucible Code Macro	Unassign ed	Andrew Lui [Atlassia n]	•	d Close	Fixed	Jan 05, 2011	Jan 11, 2011
•	CRUC-5 310	XSS vulnerabil ity in FishEye Repositor y Configur ation	Unassign ed	Andrew Lui [Atlassia n]	•	♣ Close d	Fixed	Jan 04, 2011	Jan 11, 2011
<b>6</b>	CRUC-5 307	XSS vulnerabil ity in Crucible' s Linked JIRA Issue	Unassign ed	Andrew Lui [Atlassia n]		d Close	Fixed	Jan 04, 2011	Jan 11, 2011
<u>•</u>	<u>CRUC-5</u> <u>255</u>	clearcase performa nce of lsactivity is bad	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	<b>₽</b>	d Close	Fixed	Dec 20, 2010	Jan 31, 2011
Ä	CRUC-5 254	Add repositor y name to log message s created during indexing.	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	<b>4</b>	♣ Close d	Fixed	Dec 20, 2010	Dec 23, 2010
•	CRUC-5 252	UserLog gedInCo ndition does not work for plugins	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	<b>1</b>	d Close	Fixed	Dec 20, 2010	Jan 11, 2011
•	CRUC-5 246	activity stream shows duplicate commits in cvs when commits	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]		♣ Close d	Fixed	Dec 19, 2010	Jan 11, 2011

		are aggregat ed.							
•	CRUC-5 244	clearcase indexing doesnt clear its changes cache in the right spot	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]		d Close	Fixed	Dec 19, 2010	Jan 09, 2011
<u>•</u>	<u>CRUC-5</u> <u>216</u>	problems with permissio ns	Geoff Crain [Atlassia n]	Geoff Crain [Atlassia n]	Φ.	d Close	Fixed	Dec 15, 2010	Jan 06, 2011
	CRUC-5 162	Rescan commit comment s in Perforce repositori es updates no working	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	Ŷ	d Close	Fixed	Dec 12, 2010	Jun 30, 2011
	CRUC-5 134	JavaScri pt errors when loading admin repositor y tables with hundreds of repositori es	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	<b>1</b>	d Close	Fixed	Dec 09, 2010	Dec 14, 2010
•	CRUC-5 069	Login screen messagin g broken	Craig Sharkie [Atlassia n]	Brendan Humphre ys [Atlassia n]	<b>#</b>	d Close	Fixed	Nov 29, 2010	Feb 06, 2011
	CRUC-5 065	Git indexing errors (parents not found, stack overflows )	Michael Heemske rk [Atlassia n]	Anna Buttfield [Atlassia n]	<b>û</b>	d Close	Fixed	Nov 29, 2010	Jan 06, 2011
<u>•</u>	CRUC-5 009	Help links in admin	Tom Davies [Atlassia	Seb Ruiz [Atlassia n]	Î	d Close	Fixed	Nov 24, 2010	Jan 06, 2011

		are failing	n]						
•	CRUC-4 993	Git - error when switch directorie s	Jason Hinch [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 21, 2010	Dec 12, 2010
	<u>CRUC-4</u> 951	changes et view: when a file has a really long name/pat h the options overflow covering content	Craig Sharkie [Atlassia n]	Brydie McCoy [Atlassia n]	<b>+</b>	d Close	Fixed	Nov 15, 2010	Dec 13, 2010
•	CRUC-4 904	Trusted apps jira integratio n docs are missing paths critical to sub-task creation	Unassign ed	Anna Lyons [Atlassia n]	•	d Close	Fixed	Nov 11, 2010	Nov 30, 2010
•	CRUC-4 900	deleted files aren't greyed out on the filetree	Craig Sharkie [Atlassia n]	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	Nov 11, 2010	Dec 13, 2010
<u>•</u>	CRUC-4 894	font shiftiness on eyeql results	Craig Sharkie [Atlassia n]	Tim Pettersen [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 10, 2010	Dec 13, 2010
	CRUC-4 891	ie8 - black waiting screen with spinner off to the side before creating a review	Craig Sharkie [Atlassia n]	Tim Pettersen [Atlassia n]	₽	d Close	Fixed	Nov 10, 2010	Dec 13, 2010
<u>•</u>	CRUC-4 871	Can't click on	Craig Sharkie	Tim Pettersen	Î	d Close	Fixed	Nov 10, 2010	Dec 13, 2010

		stars or permalin ks on review page in IE8	[Atlassia n]	[Atlassia n]					
•	CRUC-4 865	Loading spinner does not disappea r on Binary Files	Jason Hinch [Atlassia n]	Nick Pellow [Atlassia n]	<b>#</b>	d Close	Fixed	Nov 10, 2010	Dec 12, 2010
•	CRUC-4 462	Authors/ moderato rs should be able to complete reviews	Jason Hinch [Atlassia n]	Michael Heemske rk [Atlassia n]	4	♣ Close d	Fixed	Oct 05, 2010	Dec 12, 2010

# From 2.4.2 to 2.4.3

### **26 November 2010**

JIRA Iss	JIRA Issues (26 issues)										
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated		
<u>•</u>	FE-3062	The way Fisheye handles newlines when parsing comman d line outputs is completel y wrong	Jason Hinch [Atlassia n]	None	•	d Close	Fixed	Nov 08, 2010	May 09, 2011		
	FE-3048	"Inconsis tent state while finding the revision for file" with Git repositori es	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Nov 17, 2010	May 09, 2011		
•	CRUC-5 309	XSS vulnerabil ity in Crucible	Unassign ed	Andrew Lui [Atlassia n]		d Close	Fixed	Jan 04, 2011	Jan 11, 2011		

		Review Reload							
<u>•</u>	CRUC-5 008	File history review links are misstyled	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 24, 2010	Nov 24, 2010
<u>•</u>	CRUC-5 003	Crucible and FishEye dashboar d pages have missing or partial ghost features	Craig Sharkie [Atlassia n]	Craig Sharkie [Atlassia n]	<b>+</b>	♣ Close d	Fixed	Nov 23, 2010	Nov 25, 2010
<u></u>	CRUC-4 998	Changes etTooltip Action.fin dChange Set() eagerly creates cruRevisi ons	Seb Ruiz [Atlassia n]	Brendan Humphre ys [Atlassia n]	<b>Ŷ</b>	♣ Close d	Fixed	Nov 22, 2010	Nov 29, 2010
A	CRUC-4 996	Map _json files to javascript syntax hilighting	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	4	d Close	Fixed	Nov 22, 2010	Nov 22, 2010
Ā	CRUC-4 991	Manifest impleme ntation has large memory footprint	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]	Ŷ	d Close	Fixed	Nov 21, 2010	Nov 25, 2010
<u>•</u>	CRUC-4 987	Git Indexing Issues	Conor MacNeill [Atlassia n]	Conor MacNeill [Atlassia n]	Ф	d Close	Fixed	Nov 18, 2010	Nov 29, 2010
<u>•</u>	CRUC-4 985	Cannot Change Passwor d in User Settings	Tom Davies [Atlassia n]	Dylan Hansen [Atlassia n]	Ŷ	d Close	Fixed	Nov 18, 2010	Dec 02, 2010
<u>``</u>	CRUC-4 983	"You do not have permissio n to see all the search results."	Unassign ed	Gurleen Anand [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 18, 2010	Nov 18, 2010

		for custom search filter in Crucible							
<u>•</u>	<u>CRUC-4</u> 982	Review splitter dragging highlights text	Craig Sharkie [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Nov 18, 2010	Nov 25, 2010
	CRUC-4 928	ClassCas tExceptio n in Paramet erSetInse rtion.che ckAuthor s due to concurre nt map modificati on	Anna Buttfield [Atlassia n]	Anna Buttfield [Atlassia n]		d Close	Fixed	Nov 14, 2010	Nov 25, 2010
<u>•</u>	CRUC-4 912	NullPoint erExcepti on when Checking the Author for the BaseLine Count	Anna Buttfield [Atlassia n]	Chai Ying Chan [Atlassia n]	û	d Close	Fixed	Nov 12, 2010	Jan 03, 2011
	CRUC-4 908	Log full response body of failed subtask creation response to help troublesh ooting	Tim Pettersen [Atlassia n]	Tim Pettersen [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 11, 2010	Dec 04, 2011
•	CRUC-4 906	Diffs link gone from watch emails	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>‡</b>	d Close	Fixed	Nov 11, 2010	Nov 14, 2010
•	CRUC-4 905	Diff links gone from watch emails	Unassign ed	Seb Ruiz [Atlassia n]	û	d Close	Fixed	Nov 11, 2010	Sep 08, 2011
<u>•</u>	<u>CRUC-4</u> <u>879</u>	you are not prompted	Joe Xie [atlassian ]	Tim Pettersen [Atlassia	•	d Close	Fixed	Nov 10, 2010	Nov 17, 2010

		for a repo rescan after removing an excludes pattern		n]					
<u>•</u>	CRUC-4 872	Rescan repo after adding an exclude fails	Tom Davies [Atlassia n]	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	Nov 10, 2010	Dec 07, 2010
<u>•</u>	CRUC-4 842	Return the ability to add "favourite s"	Tom Davies [Atlassia n]	Tim Buntel [Atlassia n]	•	d Close	Fixed	Nov 08, 2010	Nov 25, 2010
<u>•</u>	CRUC-4 680	On Review close, don't show time if its less than one minute	Unassign ed	Craig Sharkie [Atlassia n]	1	d Close	Fixed	Oct 25, 2010	Sep 08, 2011
<u>•</u>	<u>CRUC-4</u> <u>576</u>	Review titles not truncated properly	Unassign ed	Seb Ruiz [Atlassia n]	<b>.</b>	♣ Close d	Fixed	Oct 14, 2010	Jan 05, 2011
•	CRUC-4 575	Review titles not truncated properly	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 14, 2010	Nov 24, 2010
<u>•</u>	CRUC-4 488	When the QuickSe arch fails. the spinner remains active and there is no failure indication to the user	Pierre-Eti enne Poirot [Atlassia n]	Pierre-Eti enne Poirot [Atlassia n]		d Close	Fixed	Oct 11, 2010	Jan 05, 2011
<u>ā</u>	CRUC-4 231	Not setting a review due date results in an	Tom Davies [Atlassia n]	Conor MacNeill [Atlassia n]	û	d Close	Fixed	Sep 15, 2010	Nov 18, 2010

	unfriendl y message							
CRUC-4 175	JspTagE xception is thrown when navigatin g annotate d view	Unassign ed	Ming Giet Chong [Atlassia n]	•	d Close	Fixed	Sep 01, 2010	Nov 25, 2010

# From 2.4.1 to 2.4.2

### **11 November 2010**

	sues (64 issu		A •	D	Du's sit	01-1	D l	0	11 1-4
Туре	Key	Summar y	Assigne e	Reporter	Priority	Status	Resoluti on	Created	Updated
A	FE-3417	Show the branch a changes et was committe d to in watch emails	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	♣ Close d	Fixed	Oct 25, 2010	May 09, 2011
<u>•</u>	FE-3393	Sections of the code are unreadab le in side-by-si de diff in IE7	Unassign ed	None	<b>û</b>	♣ Close d	Fixed	Jun 28, 2010	May 09, 2011
<u>•</u>	FE-3392	Javascrip t error occurs when clicking a folder when you have never selected a branch in the branch filter	Unassign ed	None	•	♣ Close d	Fixed	Nov 05, 2010	May 09, 2011
•	FE-3391	Watch email contains broken	Unassign ed	None	•	d Close	Fixed	Jul 14, 2010	May 09, 2011

<u>•</u>	FE-3390	link when there is no context path Search results	Unassign	None	Ŷ	♣ Close d	Fixed	Oct 15, 2010	May 09, 2011
		data sorting incorrect	Cu			d		2010	2011
	<u>FE-3388</u>	"IllegalSt ateExcep tion: Indexer is stopped" on 2.4 Upgrade	Unassign ed	None	û	d Close	Fixed	Oct 21, 2010	May 09, 2011
	FE-3387	ClearCas e: 'Add' and 'Test Connecti on' buttons in admin don't do anything when both 'VOB To Include' and 'Include Pattern' and/or 'Exclude Pattern' is specified	Unassign	None	<b>4</b>	d Close	Fixed	Oct 25, 2010	May 09, 2011
<u>•</u>	FE-3385	Committe r name bolds when you mouseov er it somewhe re else	Unassign ed	None	<b>+</b>	d Close	Fixed	Oct 13, 2010	May 09, 2011
•	FE-3379	svn does not fully support the branch selector	Unassign ed	None	4	d Close	Fixed	Oct 26, 2010	May 09, 2011
<u>•</u>	FE-3378	plain text	Unassign	None	4	d Close	Fixed	Nov 02,	May 09,

		rendering of wiki text in the activity stream for changes et comment s is wrong	ed			d		2010	2011
<u>•</u>	FE-3377	Quick file links in activity stream disappea r if browser isn't wide enough	Unassign ed	None	<b>.</b>	d Close	Fixed	Oct 20, 2010	May 09, 2011
	FE-3375	ClearCas eReposit oryCache .getChan geSet throws IllegalSta teExcepti on when the changes et does not exist. The cache for other SCM types don't	Unassign	None	•	d Close	Fixed	Oct 21, 2010	May 09, 2011
<u>•</u>	FE-3374	[IE] More ie issues	Unassign ed	None	<b>+</b>	d Close	Fixed	Oct 12, 2010	May 09, 2011
•	FE-3369	Path segment s in Include/E xclude cannot be parsed in 2.4.0	Unassign ed	None	Ŷ	d Close	Fixed	Oct 24, 2010	May 09, 2011
<u>•</u>	FE-3365	Too many objects are kept	Unassign ed	None	Ŷ	d Close	Fixed	Nov 04, 2010	May 09, 2011

		in memory during changes et indexing, resulting in an OutOfMe moryExc eption							
<u>•</u>	FE-3364	Activity tab for all repositori es is gone in 2.4	Unassign ed	None	Ŷ	d Close	Fixed	Oct 27, 2010	May 09, 2011
	FE-3360	GWT admin for ClearCas e is slow because cleartool comman ds are being executed too often and too early		Michael Heemske rk [Atlassia n]	•	d Close	Fixed	Sep 27, 2010	May 09, 2011
<u>•</u>	FE-3348	ClearCas e: performa nce of incremen tal indexing has decrease d in 2.4.0 (Base CC only)	Heemske	Michael Heemske rk [Atlassia n]	•	d Close	Fixed	Oct 21, 2010	May 09, 2011
<u>•</u>	FE-3346	Reload of admin page causes CPU max out	Unassign ed	Michael Heemske rk [Atlassia n]	<b>#</b>	d Close	Fixed	Sep 27, 2010	May 09, 2011
<u>•</u>	FE-3188	Can't view projects in FishEye only mode	Michael Heemske rk [Atlassia n]	None	Ŷ	d Close	Fixed	Aug 09, 2010	May 09, 2011

	FE-3179	ClearCas e: CPU usage has increase d significan tly between 2.3.6 and 2.4-M6	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Oct 04, 2010	May 09, 2011
	FE-3173	ClearCas e indexing misses revisions or indexes revisions multiple times if the server clocks of the ClearCas e server and the FishEye servers are out of synch or in different timezone s	Michael Heemske rk [Atlassia n]	None	Ŷ	Close d	Fixed	Oct 26, 2010	May 09, 2011
<u>•</u>	FE-3163	ClearCas e: project exclude rules aren't being stored	Michael Heemske rk [Atlassia n]	None	Û	d Close	Fixed	Oct 24, 2010	May 09, 2011
<u>.</u>	FE-3148	Change the logging level of valid 'error' message s	Michael Heemske rk [Atlassia n]	None	1	Close d	Fixed	Jun 02, 2010	May 09, 2011
<u>•</u>	FE-3145	Excludes cause indexing to fail for	Unassign ed	None	Ŷ	d Close	Fixed	Nov 01, 2010	May 09, 2011

		Git repositori es							
<u>•</u>	FE-3124	Git: Use of file content-h ash to map to file revision is insufficie nt	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Oct 18, 2010	May 09, 2011
	FE-3119	ClearCas e: specifyin g include or exclude rules for projects and vobs results in an invalid config.xm I file, causing errors on restart	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Oct 24, 2010	May 09, 2011
	FE-3106	ClearCas e: FE maxes out CPU when the connectio n to the ClearCas e server is lost	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Sep 21, 2010	May 09, 2011
	FE-3095	ClearCas e interactiv e process logs timeout and forgets it has failed	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Aug 30, 2010	May 09, 2011
<u>•</u>	FE-3050	ClearCas e: nothing is indexed when branch	Michael Heemske rk [Atlassia n]	None	Ŷ	d Close	Fixed	Oct 25, 2010	May 09, 2011

		excludes is non-empt y and branch includes is empty							
•	FE-3049	ClearCas e: error in storing repositor y configura tion after creating new repo	Michael Heemske rk [Atlassia n]	None	•	d Close	Fixed	Oct 04, 2010	May 09, 2011
•	CRUC-5 313	XSS vulnerabil ity in FishEye/ Crucible Changes et Page Heading	Unassign ed	Andrew Lui [Atlassia n]		d Close	Fixed	Jan 05, 2011	Jan 11, 2011
	<u>CRUC-5</u> 311	XSS vulnerabil ity in FishEye Charts	Unassign ed	Andrew Lui [Atlassia n]	•	d Close	Fixed	Jan 04, 2011	Jan 11, 2011
<u>•</u>	CRUC-5 308	XSS vulnerabil ity in Crucible' s Email Reviews	Unassign ed	Andrew Lui [Atlassia n]	•	d Close	Fixed	Jan 04, 2011	Jan 11, 2011
<u>•</u>	CRUC-4 858	FishEye dialogue sends user to URL escaped URL	Michael Heemske rk [Atlassia n]	James Roper [Atlassia n]	<b>1</b>	d Close	Fixed	Sep 12, 2010	Nov 10, 2010
	CRUC-4 850	Upgrade to JIRA Blockers 1.6.9	Tim Pettersen [Atlassia n]	Tim Pettersen [Atlassia n]	Ŷ	d Close	Fixed	Nov 09, 2010	Nov 09, 2010
Ä	CRUC-4 845	Map xslt files for xml syntax highlighti ng	Seb Ruiz [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Nov 08, 2010	Nov 08, 2010
•	<u>CRUC-4</u> <u>716</u>	PermalD field is	Nick Pellow	Nick Pellow	•	d Close	Fixed	Oct 29, 2010	Nov 09, 2010

		empty in REST JSON response s	[Atlassia n]	[Atlassia n]		d			
	CRUC-4 710	addGene ralComm ent fails when called outside a HTTP request. e.g. a plugin commit listener	Joe Xie [atlassian ]	Nick Pellow [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 27, 2010	Nov 14, 2010
	<u>CRUC-4</u> 693	Snippet Page: Join Review issues	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 26, 2010	Nov 10, 2010
<u>•</u>	CRUC-4 692	Reviewer  S dropdow n in Crucible Reviews spins forever in IE8 - cannot add reviewers	Adam Ahmed [Atlassia n]	David Hergert [Windstre am]		d Close	Fixed	Oct 26, 2010	Nov 03, 2010
<u>`</u>	CRUC-4 691	Property NotFoun dExcepti on when Priting Snippet	Michael Heemske rk [Atlassia n]	Chai Ying Chan [Atlassia n]	Û	d Close	Fixed	Oct 26, 2010	Nov 10, 2010
	CRUC-4 690	No Descripti on for Repositor y LDAP Settings	Seb Ruiz [Atlassia n]	Chai Ying Chan [Atlassia n]	<b>#</b>	d Close	Fixed	Oct 26, 2010	Nov 02, 2010
•	CRUC-4 656	"Edit Details", "Summar ize" and "Tools" menu missing under	Craig Sharkie [Atlassia n]	Gurleen Anand [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 21, 2010	Nov 09, 2010

		"Reviews " tab in Opera in 2.4							
<u>•</u>	CRUC-4 647	Bring the "Deleted" lozenge in line with product/c orporate styles	Unassign ed	Craig Sharkie [Atlassia n]	<b>#</b>	d Close	Fixed	Oct 20, 2010	Jun 19, 2011
	CRUC-4 636	Make more of GWT admin deep linkable	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	<b>1</b>	d Close	Fixed	Oct 19, 2010	Nov 10, 2010
Ä	CRUC-4 635	Better linking in GWT Admin	Michael Studman [Atlassia n]	Michael Studman [Atlassia n]	•	d Close	Fixed	Oct 19, 2010	Nov 10, 2010
<u>•</u>	CRUC-4 614	Annotatio n links from file history don't preserve wayback spec	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Oct 18, 2010	Nov 15, 2010
•	CRUC-4 613	Links to comment s in the same review don't work	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 18, 2010	Nov 10, 2010
<u>•</u>	CRUC-4 612	infinite redirects to login via dialog iframes	Tom Davies [Atlassia n]	Geoff Crain [Atlassia n]	û	d Close	Fixed	Jun 20, 2010	Nov 11, 2010
<u>•</u>	CRUC-4 597	Clear filter button goes to changes et	Tom Davies [Atlassia n]	Chris Lam [Atlassia n]	Ŷ	d Close	Fixed	Oct 15, 2010	Nov 25, 2010
•	CRUC-4 585	Crucible Inbox: Summari ze state review with	Tom Davies [Atlassia n]	Matthew Watson	<b>.</b>	d Close	Fixed	Oct 14, 2010	Nov 25, 2010

		incomplet							
		e reviewers shows in no filter							
<u> </u>	<u>CRUC-4</u> <u>547</u>	Join Review is duplicate d	Craig Sharkie [Atlassia n]	Seb Ruiz [Atlassia n]	*	d Close	Fixed	Oct 12, 2010	Nov 09, 2010
<u> </u>	CRUC-4 541	Sometim es can't edit objective s	Adam Ahmed [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Oct 12, 2010	Nov 25, 2010
<u></u>	CRUC-4 529	Wiki links are broken	Pierre-Eti enne Poirot [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 12, 2010	Nov 09, 2010
•	CRUC-4 527	[Admin] No 'test connectio n' button when creating repo	Michael Studman [Atlassia n]	Seb Ruiz [Atlassia n]	•	d Close	Fixed	Oct 12, 2010	Nov 25, 2010
	CRUC-4 491	[Admin] Repo list needs paginatio n and filtering	Michael Studman [Atlassia n]	Seb Ruiz [Atlassia n]	Ŷ	d Close	Fixed	Oct 11, 2010	Nov 10, 2010
<u> </u>	CRUC-4 363	Changes et header UI annoyan ces	Jason Hinch [Atlassia n]	Seb Ruiz [Atlassia n]	Φ.	d Close	Fixed	Sep 22, 2010	Jan 05, 2011
<u> </u>	CRUC-4 347	Set min height on body of snippet page	Adam Ahmed [Atlassia n]	Jason Hinch [Atlassia n]	Φ.	d Close	Fixed	Sep 21, 2010	Nov 09, 2010
•	CRUC-4 241	selecting a tag on reports page won't work	Tom Davies [Atlassia n]	Geoff Crain [Atlassia n]	<b>.</b>	d Close	Fixed	Sep 16, 2010	Nov 10, 2010
	CRUC-4 131	Links in new admin ui are not real links	Michael Studman [Atlassia n]	Anna Buttfield [Atlassia n]		d Close	Fixed	Aug 30, 2010	Nov 10, 2010

	<u>CRUC-4</u> <u>081</u>	[Stars] Stars in dropdow ns are broken	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Aug 26, 2010	Nov 17, 2010
•	CRUC-4 047	[IE] Problems on Snippet Page	Adam Ahmed [Atlassia n]	Anna Lyons [Atlassia n]	<b>.</b>	d Close	Fixed	Aug 22, 2010	Nov 09, 2010
Ä	CRUC-3 673	Make the rename user functional ity more visible	Pierre-Eti enne Poirot [Atlassia n]	Andrew Myers [Atlassia n]	<b>.</b>	d Close	Fixed	Jun 23, 2010	Nov 09, 2010

# From 2.4.0 to 2.4.1

# 27 October 2010

Туре	Key	Summar	Assigne	Reporter	Priority	Status	Resoluti	Created	Updated
<u>•</u>	FE-3386	NullPoint erExcepti on when indexing perforce repositori es on upgrade to 2.4	Unassign ed	None	Ŷ	d Close	Fixed	Oct 21, 2010	May 09, 2011
<u>•</u>	FE-3367	NPE when scanning git repo trying to read commit date:	Unassign ed	None		d Close	Fixed	Aug 31, 2010	May 09, 2011
<u>•</u>	FE-3194	Perforce case-sen sitivity issues on FE 2.4 Upgrade	Conor MacNeill [Atlassia n]	None	Ŷ	d Close	Fixed	Oct 21, 2010	May 09, 2011
<u>•</u>	FE-3112	Nasty error message when	Andrew Myers [Atlassia n]	None	<b></b>	d Close	Fixed	Oct 20, 2010	May 09, 2011

		trying to start repo							
•	FE-3109	NullPoint erExcepti on on p4 describe	Conor MacNeill [Atlassia n]	None	<b>.</b>	d Close	Fixed	Oct 26, 2010	May 09, 2011
<u>•</u>	FE-3096	Invocatio n of git blame fails for files that contain spaces	Conor MacNeill [Atlassia n]	None	<b>û</b>	d Close	Fixed	Oct 20, 2010	May 09, 2011
	FE-3063	Perforce branch specificat ion doesn't work	Matthew Watson	None	û	d Close	Fixed	Nov 19, 2008	May 09, 2011
<u>•</u>	CRUC-5 312	xss vulnerabil ity in FishEye/ Crucible Code Macro	Unassign ed	Andrew Lui [Atlassia n]		d Close	Fixed	Jan 05, 2011	Jan 11, 2011
<u>•</u>	CRUC-5 310	XSS vulnerabil ity in FishEye Repositor y Configur ation	Unassign ed	Andrew Lui [Atlassia n]		d Close	Fixed	Jan 04, 2011	Jan 11, 2011
	CRUC-5 307	XSS vulnerabil ity in Crucible' s Linked JIRA Issue	Unassign ed	Andrew Lui [Atlassia n]	•	d Close	Fixed	Jan 04, 2011	Jan 11, 2011
•	CRUC-4 695	Perforce patch reviews throw errors in 2.4.0	Conor MacNeill [Atlassia n]	Dylan Hansen [Atlassia n]	Ŷ	d Close	Fixed	Oct 26, 2010	Oct 26, 2010
•	CRUC-4 674	PermId element can not be serialized	Nick Pellow [Atlassia n]	Nick Pellow [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 25, 2010	Nov 15, 2010

		to JSON for REST requests							
<u>•</u>	CRUC-4 673	fix api breakage from 2.3.x to 2.4.0	Joe Xie [atlassian ]	Joe Xie [atlassian ]	Ŷ	d Close	Fixed	Oct 24, 2010	Jan 05, 2011
•	CRUC-4 651	NullPoint erExcepti on in SvnCach e.getFile Revision	Michael Heemske rk [Atlassia n]	Michael Heemske rk [Atlassia n]	û	d Close	Fixed	Oct 21, 2010	Nov 15, 2010
	CRUC-4 649	Wheneve r viewing the users tab, if the user has an email address for their login name. Crucible errors out	Jason Hinch [Atlassia n]	Dylan Hansen [Atlassia n]	<b>û</b>	d Close	Fixed	Oct 20, 2010	Nov 15, 2010
<u>•</u>	CRUC-4 616	SVN branch selector enabled with ajax loaded directorie s	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	û	d Close	Fixed	Oct 18, 2010	Nov 15, 2010
<u>•</u>	CRUC-4 598	Testing a Connecti on in the Edit Repo Dialog, doesn't use the values from the form	Pierre-Eti enne Poirot [Atlassia n]	Nick Pellow [Atlassia n]	•	d Close	Fixed	Oct 15, 2010	Nov 15, 2010
•	CRUC-4 591	[IE7] - Horizonta I Scrollbar on File History page	Adam Ahmed [Atlassia n]	Adam Ahmed [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 14, 2010	Jan 05, 2011
<u>•</u>	CRUC-4 538	Changes et link	Tom Davies	Seb Ruiz [Atlassia	<b>‡</b>	d Close	Fixed	Oct 12, 2010	Jan 05, 2011

		changes server url	[Atlassia n]	n]					
<u>•</u>	<u>CRUC-4</u> <u>534</u>	Changes et hover of CVS broken	Tom Davies [Atlassia n]	Seb Ruiz [Atlassia n]	<b>.</b>	d Close	Fixed	Oct 12, 2010	Jan 05, 2011

# **Crucible 2.4 Upgrade Guide**

Below are some important notes on upgrading to Crucible 2.4. For details of the new features and improvements in this release, please read the Crucible 2.4 Release Notes.

### On this page:

- Upgrade Notes
- Upgrade Procedure
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

### **Upgrade Notes**

- Crucible 2.4:
  - If you are using a Mercurial or Git repository with Crucible, it will be automatically re-indexed wh en you upgrade to Crucible 2.4. This is because we have upgraded the database schema for these
  - If you are using a lightSCM plugin to connect to a repository (i.e. you are not using FishEye), we recommend that you disable the lightSCM plugin in favour of the new native repository access functionality that is bundled with this Crucible release. Atlassian's lightSCM plugins (not lightSCM itself) are being deprecated in this release. Please see What happens if I decide to stop using FishEve with Crucible? for more information.

### • Crucible 2.4.1:

 If you use FishEye/Crucible with Perforce and previously upgraded to FishEye/Crucible 2.4.0, you must reindex all of your Perforce repositories after upgrading to FishEye/Crucible 2.4.1. Note, FishEye/Crucible will not automatically reindex your Perforce repositories, you will need to start the reindex manually.

### • Crucible 2.4.2:

 If you are using a ClearCase repository with Crucible, it will be automatically re-indexed when you upgrade to Crucible 2.4. This is because we have upgraded the database schema for this SCM.

### **Upgrade Procedure**



### Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

### **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

 Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible 2.4 Known Issues in the Crucible Knowledge Base and follow the instructions to apply any necessary patches if necessary.

- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

### RELATED TOPICS

Crucible 2.4 Release Notes

# Crucible 2.3 Release Notes

### 26 May 2010

For details on minor releases since Crucible 2.3, see the Crucible Changelog.

# **Atlassian presents Crucible 2.3**

Crucible 2.3 is focused on the all-new lightweight Snippet Reviews and the innovative Review Coverage report, along with an enhanced installation wizard.

### Highlights of this release:

- Snippet Reviews
- Changeset Discussions
- Mercurial SCM Alpha
- Review Coverage report
- Revamped Installation Process
- Gadgets
- Plus numerous improvements and bug fixes

Thank you for your interest in Crucible 2.3.



See the documentation on **Upgrading to this version**.

### **Installing Crucible 2.3**

<u>Download Crucible 2.3</u> now. If upgrading from a previous version, please follow the <u>Upgrade Guide</u>.

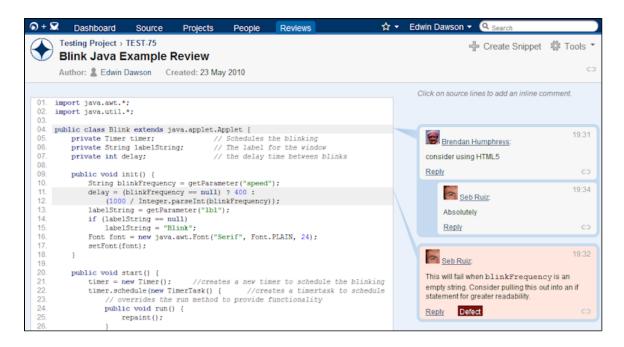
# **Highlights of Crucible 2.3**



### **Snippet Reviews**

Snippet Reviews are a new feature of Crucible, providing ultra-lightweight, ad-hoc code reviews with zero configuration. Atlassian is listening, and some customers asked for reviews with no ceremony, permissions or red tape. Snippet Reviews are instant to create, require no SCM repository and can be reviewed by anyone.

Screenshot: Crucible Snippet Review



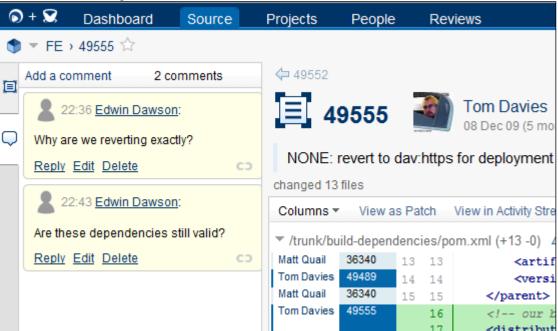
See the documentation for more.



# **Changeset Discussions**

When using Crucible with FishEye, you can now leave comments on a changeset. Your colleagues will be able to read your comments and respond to them, creating a threaded discussion.

Screenshot: A Changeset Discussion



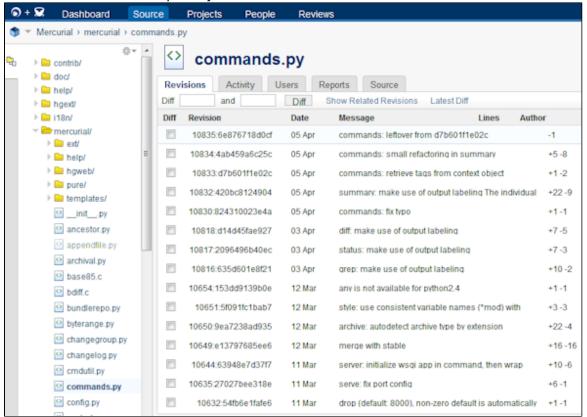
See the documentation for more.



### Mercurial SCM Alpha

When using Crucible with FishEye, the Mercurial SCM can now be used. This release adds alpha support for Mercurial repositories. Atlassian is providing early access to the functionality for our customers; there are still a few kinks to be worked out, but it provides full access to FishEye.

Screenshot: A Mercurial Repository in Action



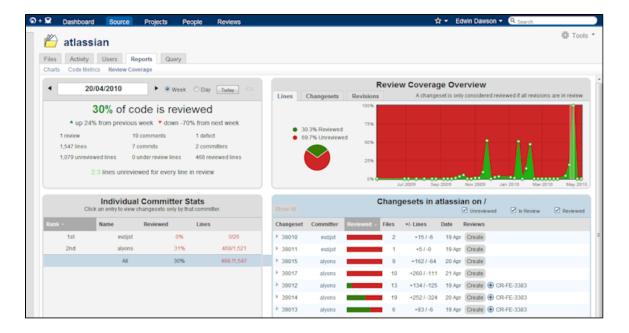
See the documentation for more details.



### **Review Coverage report**

When using Crucible with FishEye, a new Review Coverage Report is now available. A new paradigm that shows you the percentage of code that has been peer-reviewed, this report lets you easily see what parts of your codebase haven't had many eyes scanning them for a sanity check. This forms another kind of quality check for your software projects, along with unit testing and code coverage analysis.

Screenshot: Crucible Review Coverage Report



See the <u>documentation</u> for more.



# **Revamped Installation Process**

Crucible's installation process has been given a thorough revision and a visual facelift. It's now smoother, faste and provides a better experience.

Screenshot: Crucible's New Installation Screen



See the documentation for more.



### **Gadgets**

Crucible 2.3 includes a cluster of handy gadgets. These allow you to see Crucible data in other locations such the JIRA or Confluence Dashboards.

These gadgets include the following:

### To Do Gadget

This gadget is a list of Crucible to-do items including reviews to do, comments to read or reviews to summarise.

#### Hassle Gadget

This gadget shows you who you are still waiting on, in other words which reviewers haven't completed your reviews.

#### • Overdue Reviews Gadget

This gadget shows you reviews that are yet to be completed in the project, across all authors. This is useful for managers or team leads.

#### Review Coverage Gadget

This gadget shows you information from the innovative Review Coverage Report, showing how much of your codebase has been subjected to code review.

These gadgets are published by default, and can be configured to appear on your JIRA or Confluence Dashboards.

Screenshot: The Hassle Gadget



See the documentation for more.



### Plus numerous improvements and bug fixes

Visit our issue tracker to see the full list of improvements and bug fixes.

# **Crucible 2.3 Changelog**

This page contains information about the Crucible 2.3 minor releases. FishEye license holders should also check the <u>FishEye 2.3 Changelog</u>.



Please read the <u>Crucible 2.3 Upgrade Guide</u> before upgrading to any of the minor releases below.

### On this page:

- From 2.3.7 to 2.3.8
- From 2.3.6 to 2.3.7
- From 2.3.5 to 2.3.6
- From 2.3.4 to 2.3.5
- From 2.3.3 to 2.3.4
- From 2.3.2 to 2.3.3
- From 2.3.1 to 2.3.2
- From 2.3.0 to 2.3.1

### From 2.3.7 to 2.3.8

### 12 January 2011

This is a bug fix release that only addresses security issues. Please see the <u>Security Advisory</u> for more information.

The complete list of issues follows below.

JIRA Issues (7 issues)	JIRA Issues (7 issues)								
Key	Summary	Priority	Status						
CRUC-5311	XSS vulnerability in FishEye Charts	•	→ Closed						
CRUC-5309	XSS vulnerability in Crucible Review Reload	•	d Closed						
CRUC-5313	XSS vulnerability in FishEye/Crucible Changeset Page Heading		♣ Closed						
CRUC-5345	XSS vulnerability in Edit Review Details	•	♣ Closed						
CRUC-5312	XSS vulnerability in FishEye/Crucible Code Macro		√ Closed						
CRUC-5307	XSS vulnerability in Crucible's Linked JIRA Issue		♣ Closed						
CRUC-5308	XSS vulnerability in Crucible's Email Reviews	•	♣ Closed						

### From 2.3.6 to 2.3.7

### 20 October 2010

This release is to support the <u>FishEye 2.3.7</u> release only. FishEye 2.3.7 fixes a <u>FishEye security vulnerability</u>. If you are using Crucible without FishEye, you are not affected by this security vulnerability.

# From 2.3.5 to 2.3.6

# 25 August 2010

This is a bug fix release. The complete list of issues follows below.

JIRA Issues (5 issues)	JIRA Issues (5 issues)							
Key	Summary	Priority	Status					
CRUC-3887	Everytime I view my Crucible project, I get a stack trace	<b>1</b>	♣ Closed					
CRUC-856	Improper handling of uploaded patch files with lines that have leading dashes	•	♣ Closed					
CRUC-3874	Clanger of a notification cleanup bug	Ŷ	♣ Closed					
CRUC-3758	Doesn't check for trailing spaces when adding new users with external authentication	•	♣ Closed					
CRUC-4052	add a faster selector for creating an inline comment	<b>1</b>	♣ Closed					

# From 2.3.4 to 2.3.5

# 26 July 2010

This is a bug fix release. The complete list of issues follows below.

<u>JIRA Issues</u> (1 issues)								
Key	Summary	Priority	Status					
CRUC-3832	NPE when reloading a review with a new file with comments	4	♣ Closed					

### From 2.3.3 to 2.3.4

# 13 July 2010

JIRA Issues (5 issues)								
Key	Summary	Priority	Status					
CRUC-3706	Exception while processing batch emails kills all emails	•	♣ Closed					
CRUC-3700	you can break everything by deleting all the revisions of an frx with an frx level comment	<b>4</b>	♣ Closed					
CRUC-3740	ClassCastException in com.atlassian.xwork12.X work12VersionSupport.ext ractAction	4	♣ Closed					

<u>CRUC-3645</u>	Error after reloading review to pick up new comments	<b>.</b>	♣ Closed
CRUC-3701	Light SCM CrucibleRevisions must be fully populated when added to a review	<b>1</b>	♣ Closed

## From 2.3.2 to 2.3.3

## 16th June 2010

This is a bug fix release that addresses security issues. Please see the <u>Security Advisory</u> for more information.

JIRA Issues (3 issues)			
Key	Summary	Priority	Status
CRUC-3289	Crucible creates sub tasks of sub tasks, which is not supported by JIRA	<b>û</b>	♣ Closed
<u>CRUC-3635</u>	Cannot add review comments on ipad	•	♣ Closed
<u>CRUC-3630</u>	use safe parameter interceptor	<b>+</b>	♣ Closed

## From 2.3.1 to 2.3.2

## 3rd June 2010

This is a bug fix release. The complete list of issues follows below.

<u>JIRA Issues</u> (7 issues)			
Key	Summary	Priority	Status
<u>CRUC-3610</u>	Can't navigate to older activity stream items		♣ Closed
<u>CRUC-3547</u>	Snippet: editing comment hides the edit link	<b>+</b>	♣ Closed
CRUC-3553	Creating a review identical to an existing review doesn't suggest adding files to the existing review	₽	♣ Closed
CRUC-3580	'Add Latest' is greyed out when it shouldn't be	<b>+</b>	♣ Closed
CRUC-3499	Snippet: can't copy paste text	<b>+</b>	d Closed
CRUC-3568	Plugin api should expose Crucible project -> Jira {server,project} mappings	4	♣ Closed
CRUC-3581	Missing snippet is called a review	<b>+</b>	d Closed

## From 2.3.0 to 2.3.1

## 27th May 2010

This is a bug fix release, addressing an issue that occurs when upgrading Crucible with an expired license.

Complete list of issues follows below.

JIRA Issues (3 issues)			
Key	Summary	Priority	Status
<u>CRUC-3595</u>	Rest login method is ambigous for CAPTCHA	Ŷ	♣ Closed
CRUC-3596	Startup is broken for upgrades with licenses that have expired maintenance.	<b>4</b>	♣ Closed
CRUC-3584	When changeset comments are disabled for a repo, the changeset pane tells you to log in, even though you are already logged in.	<b>4</b>	♣ Closed

# **Crucible 2.3 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 2.3**. For details of the new features and improvements in this release, please read the <u>Crucible 2.3 Release Notes</u> and <u>Crucible 2.3 Changelog</u>.

## On this page:

- Upgrade Notes
- Upgrade Procedure
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

## **Upgrade Notes**

• If you use FishEye with ClearCase and you upgrade to FishEye/Crucible 2.3.4 or later from a version prior to 2.3.4, FishEye/Crucible will reindex all ClearCase repositories.

## **Upgrade Procedure**



## Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of <u>Crucible</u>.

## Checking for Known Issues and Troubleshooting the Crucible Upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

Check for known issues. Sometimes we find out about a problem with the latest version of Crucible
after we have released the software. In such cases we publish information about the known issues in the
Crucible Knowledge Base. Please check the <u>Crucible 2.3 Known Issues</u> in the Crucible Knowledge Base

and follow the instructions to apply any necessary patches if necessary.

- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshootie ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 2.3 Release Notes Crucible 2.3 Changelog

# **Crucible 2.2 Release Notes**



Crucible 2.9 has now been released. Read the Release Notes.

## **18 February 2010**

For details on minor releases since Crucible 2.2, see the Crucible Changelog.

# **Atlassian presents Crucible 2.2**

Crucible 2.2 is focused on improving the user experience, with its innovative pre-commit support, wizard-like review creation and JIRA time tracking integration.

## Highlights of this release:

- Smart Pre-Commit (Patch) Support
- 'No Moderator' Reviews
- Wizard-Like Review Creation
- Integrated Timetracking Between Crucible and JIRA
- Edit Mode for Reviews
- Plus numerous improvements and bug fixes

Thank you for your interest in Crucible 2.2.



See the documentation on <u>Upgrading to this version</u>.

## **Installing Crucible 2.2**

<u>Download Crucible 2.2</u> now. If upgrading from a previous version, please follow the <u>Upgrade Guide</u>.

# **Highlights of Crucible 2.2**

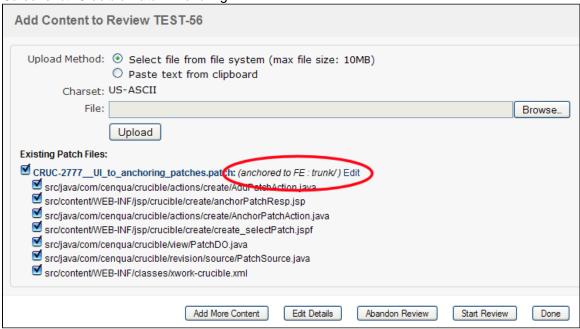


## **Smart Pre-Commit (Patch) Support**

Previously, when viewing a patch in FishEye you could only see three lines of code around your code diffs (three

*lines of context*). Sometimes, three lines is not enough. From Crucible 2.2, when creating a review from a patch file you can anchor it to revisions in your FishEye repository. FishEye will then automatically fetch more lines of code from the repository (beyond the default of three) and add them to the diff view. This gives reviewers direct access to the file's history and enables full context diffs, improving the review experience.

Screenshot: Crucible Patch Anchoring



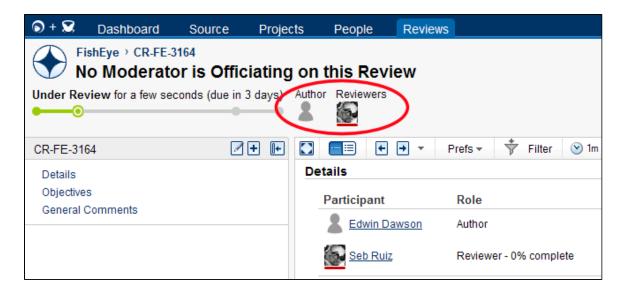
See the <u>documentation</u> for more.



## 'No Moderator' Reviews

Crucible is a lightweight code review tool, so the Crucible developers are always working to make it lighter. In Crucible 2.2, they've removed the requirement for a <u>Moderator</u>, or a single person as the judge on each review Moderators are a part of the 1970's <u>Fagan Inspection</u> doctrine for code reviews (which Crucible fully supports), but may not be right for your code development processes in 2010. Now, reviews can be freely opened, closed re-opened, summarised, joined, quit or abandoned by any of the participants involved. These free-form reviews especially suit Agile or self-organising teams.

Screenshot: 'No Moderator' Reviews



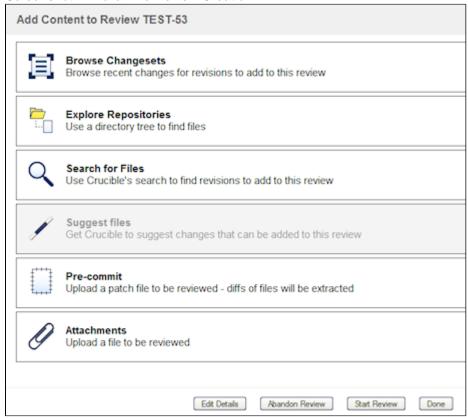
See the <u>documentation</u> for more.



## Wizard-Like Review Creation

Creating a review now follows a simple, wizard-like process where you make your content selections from a series of relevant sub-menus, allowing you to jump back and forth between steps, and edit any details right up until the review is launched.

Screenshot: Wizard-Like Review Creation



See the documentation for more.



## Integrated Timetracking Between Crucible and JIRA

Crucible already has time tracking as an inline feature, but now you can also submit time worked in Crucible to your JIRA issues. When you hover your mouse over the time tracking control in the Crucible top navigation bar a special window appears that allows you to instantly fire off time estimates to JIRA, with a single click.

Screenshot: Crucible Time Tracking



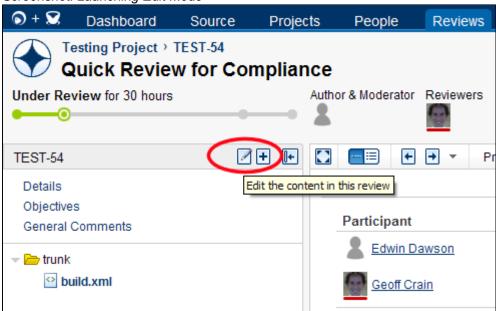
See the <u>documentation</u> for more.



## **Edit Mode for Reviews**

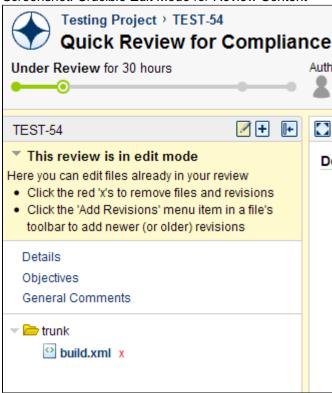
With the new Edit Mode feature, you can now easily remove content from a review that has been started. You simply click the the 'Edit Review' button in the left nav to launch Edit Mode. In Edit mode, you can quickly click red cross icons to remove files from the review. A single click returns you to regular Crucible functions, so you can more easily tune the content inside your reviews. Another button opens a dialog for rapidly adding more content to the review.

Screenshot: Launching Edit Mode



367 Documentation for Crucible 2.9

Screenshot: Crucible Edit Mode for Review Content



See the <u>documentation</u> for more.



## Plus numerous improvements and bug fixes

<u>Visit our issue tracker</u> to see the full list of improvements and bug fixes.

# Crucible 2.2 Changelog

This page contains information about the Crucible 2.2 minor releases. FishEye license holders should also check the FishEye 2.2 Changelog.



A Please read the Crucible 2.2 Upgrade Guide before upgrading to any of the minor releases below.

## On this page:

- From 2.2.1 to 2.2.3
- From 2.2.0 to 2.2.1

## From 2.2.1 to 2.2.3

## 4th May 2010



This release addresses critical security issues. Atlassian strongly recommends that you upgrade to the latest version. Please read the Security Advisory for details.

This is a security and bug fix release, addressing the issues listed below. See the Security Advisory for specific

information about the fixes and patches which are available.

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

Crucible version 2.2.2 was an internal release.

## From 2.2.0 to 2.2.1

#### 9th March 2010

This is a bugfix release, addressing the following issues:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

# **Crucible 2.2 Upgrade Guide**

Below are some important notes on upgrading to Crucible 2.2. For details of the new features and improvements in this release, please read the Crucible 2.2 Release Notes and Crucible 2.2 Changelog.

## On this page:

- Upgrade Procedure
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

## **Upgrade Procedure**



## Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

## **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible 2.2 Known Issues in the Crucible Knowledge Base and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 2.2 Release Notes Crucible 2.2 Changelog

## **Crucible 2.1 Release Notes**



Crucible 2.9 has now been released. Read the Release Notes.

#### **12 November 2009**



For details on minor releases since Crucible 2.1, see the Crucible Changelog.

# Atlassian presents Crucible 2.1

Crucible 2.1 adds Wiki Markup rendering, a new review history dialog, new review blockers report, and runs significantly faster.

## Highlights of this release:

- Wiki Markup Rendering
- Progress Tracking
- Usability and Productivity Updates
- Streamlined JIRA Integration
- Review Time Tracking
- Review History Dialog
- "Blockers" Reports
- Threaded Comments
- Plugin Developer Tools
- Plus numerous improvements and bug fixes

Thank you for your interest in Crucible 2.1.



See the documentation on **Upgrading to this version**.

## **Installing Crucible 2.1**

You can now download Crucible 2.1 from here. If upgrading from a previous version, please follow the Upgrade Guide.

# **Highlights of Crucible 2.1**



## Wiki Markup Rendering

The Wiki Markup language that's used in Confluence and JIRA can now be rendered by Crucible. Review comments, review descriptions and commit messages will now be shown rendering Wiki Markup code, allowing insertion of images, diagrams and text formatting. See the documentation for more.

Screenshot: Wiki Markup Rendering in Crucible

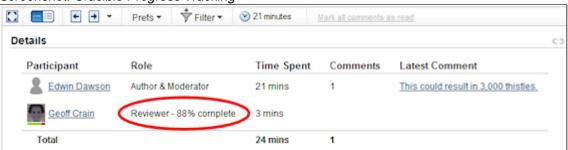




## **Progress Tracking**

While reviewing, Crucible will now automatically remember which files you've read and show this as a percentage in the Review Details panel. you no longer have to explicitly click a checkbox to mark a file as reviewed. If you've only skimmed the page and plan to revisit it, you can select that a file's status be left unread

Screenshot: Crucible Progress Tracking





## **Usability and Productivity Updates**

## • User Interface Update

The user interface has also been improved, consolidating items from the left navigation bar into the centre, freeing up space for the directory tree and other menus.

## Floating File Mastheads

When viewing a review, you now have a floating masthead that contains information about the file in context. This gives you access to more meta-data about the file, you'll also have more control of the file and how it interacts with its peers. Additionally, more relevant data can be kept in focus.

## Inline Editing for Review Details

Sometimes you just want to tweak a review's title, objective or summary – you can now edit these inline. The title will give you a cue that its editable by turning yellow when you hover over it. Click it to start editing and save your changes. The other areas have an edit link for you to use, come with a preview ar are Wiki Markup ready as you'd expect.

## Default Review Objectives

You can pre-populate reviews with default text so that you can avoid manually entering the same objectives for many reviews, where the goals for each one are similar.

## JIRA auto-linker

When you create a review now, the title and objectives are scanned, looking for a JIRA reference. And when we find one, that JIRA is automatically associated with the Review.

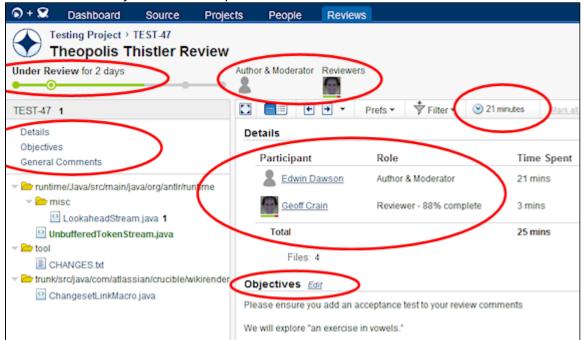
## Performance

Performance was also enhanced. The team focused on the main review page, the users page and FishEye pages that display large changesets.

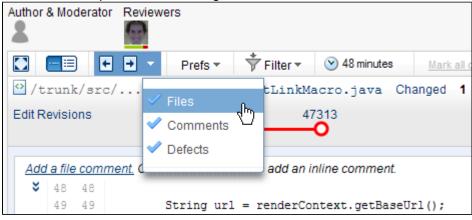
## • Simplified navigation

In reviews, you can now choose to navigate at comment, defect or file level. You can easily jump betwee these items using a new, universal navigation control.

Screenshot: Usability and Interface Updates



Screenshot: Simplified Review Navigation

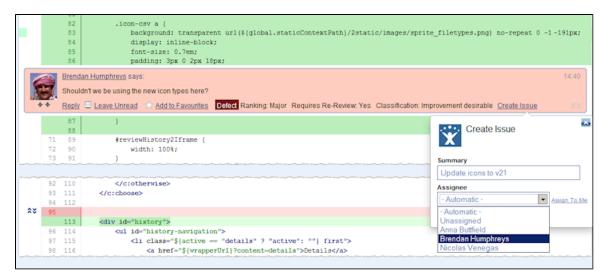




# Streamlined JIRA Integration

When you create a review, the title and objectives are now parsed in the hunt for a JIRA reference. When we find one, that JIRA issue is automatically associated with the review. And if we've been a little over eager in sourcing a reference, simply click to remove it. Creating JIRA issues from within Crucible has also been enhanced, with an 'Assignee' drop-down being added:

Screenshot: Streamlined JIRA Integration in Crucible





## **Review Time Tracking**

Crucible now has time tracking for review participants. When you've got a review open in your browser, Crucibl will track the time you have spent on that particular review. You can also click to change the amount of time recorded. Totals are displayed in the Review Details panel.

Screenshot: Crucible Time Tracking



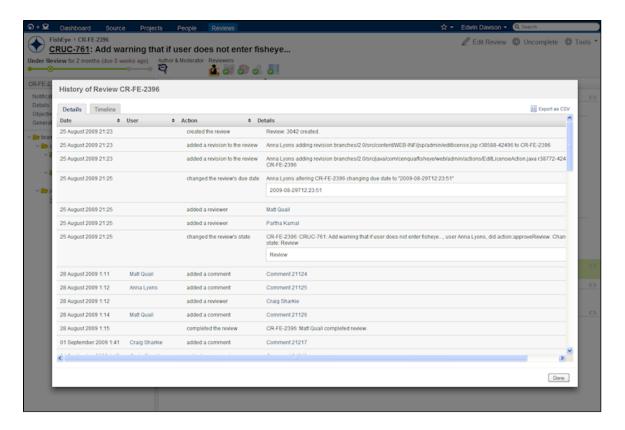


## **Review History Dialog**

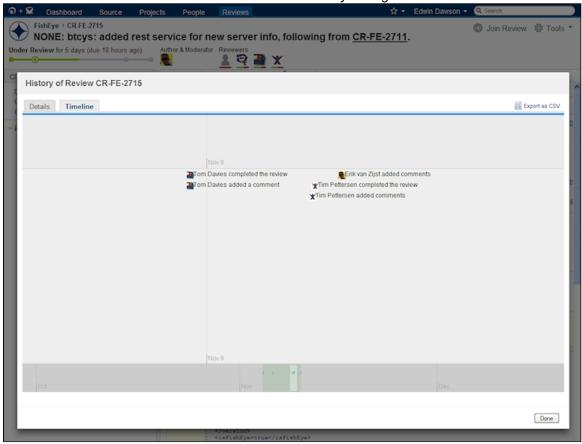
The new History Dialog differentiates old and new states of your interactions with a review. The result is that no you get richer information about those interactions and more control. You can sort the information by date, actor action. This information can also be displayed in the new timeline mode.

Additionally, you can get access to the entire Review history through the CSV download link in the upper right corner, allowing for easy data import into a spreadsheet or other application.

Screenshot: Crucible Review History Dialog



Screenshot: Timeline Mode in the Crucible Review History Dialog

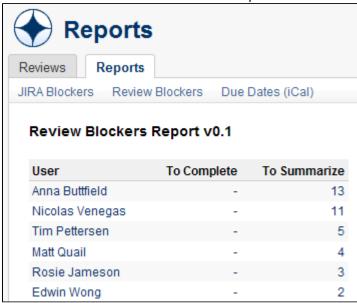




"Blockers" Reports

Every now and then, someone in the team can become a bottleneck in the review process. The new review blockers report helps by identifying team members that have a lot of reviews waiting in their inbox. Additionally, the JIRA blockers report accepts a JIRA feed, which you can find under the 'View' drop-down on your JIRA 4 Issue Navigator page. Add the URL to the report and you get an insight to which issues and participants you need to follow up. Both these reports are plugins that come bundled with Crucible.

## Screenshot: Crucible Review Blockers Report



Screenshot: Crucible JIRA Blockers Report

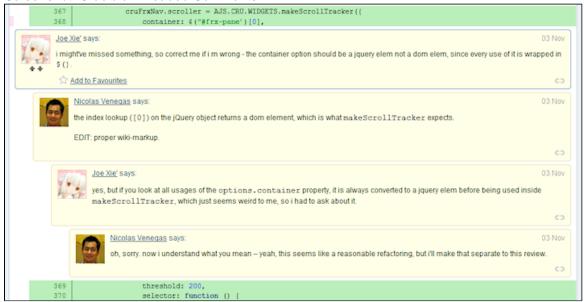




## **Threaded Comments**

Crucible comments now support fully threaded discussions. Threads can also be collapsed.

### Screenshot: Crucible Threaded Comments

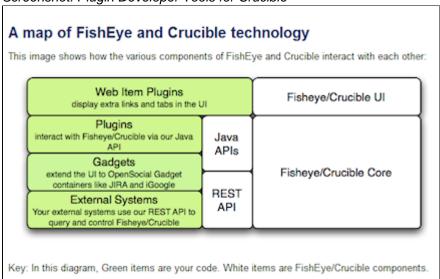




# **Plugin Developer Tools**

This release adds <u>Atlassian Plugin SDK</u> support to Crucible and FishEye, simplifying build management for plugin developers. The developer documentation for FishEye and Crucible has been co-located into a <u>new documentation space</u> as well.

Screenshot: Plugin Developer Tools for Crucible





## Plus numerous improvements and bug fixes

Visit our issue tracker to see the full list of improvements and bug fixes.

# **Crucible 2.1 Changelog**

This page contains information about the Crucible 2.1 minor releases. FishEye license holders should also check the FishEye 2.1 Changelog.



A Please read the Crucible 2.1 Upgrade Guide before upgrading to any of the minor releases

## On this page:

- From 2.1.3 to 2.1.4
- From 2.1.2 to 2.1.3
- From 2.1.1 to 2.1.2
- From 2.1.0 to 2.1.1

## From 2.1.3 to 2.1.4

## 27th January 2010

This is a bugfix release, addressing the following issues:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

#### From 2.1.2 to 2.1.3

### 13th January 2010

This is a bugfix release, addressing a number of ClearCase bugs and performance problems.

The following issues are addressed by this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

## From 2.1.1 to 2.1.2

#### 19th November 2009

This is a bugfix release.

The following issues are addressed by this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

## From 2.1.0 to 2.1.1

#### 17th November 2009

This is a bugfix release.

The following issues are addressed by this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

# **Crucible 2.1 Upgrade Guide**

Below are some important notes on upgrading to Crucible 2.1. For details of the new features and improvements in this release, please read the Crucible 2.1 Release Notes and Crucible 2.1 Changelog.

## On this page:

- Upgrade Procedure
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

## **Upgrade Procedure**



## Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on Upgrading to a new version of Crucible.

## **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible 2.1 Known Issues in the Crucible Knowledge Base and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one of our support engineers will help you.

#### RELATED TOPICS

Crucible 2.1 Release Notes Crucible 2.1 Changelog

# Crucible 2.0 Release Notes



Crucible 2.9 has now been released. Read the Release Notes.

30 June 2009

# **Atlassian presents Crucible 2.0**

**Crucible 2.0** adds the all-new Iterative Reviews feature, enhanced JIRA integration and a brand new user interface.

## Highlights of this release:

- Iterative Reviews
- New User Interface
- Read/Unread comments
- Enhanced JIRA Integration
- Keyboard Shortcuts
- Review Activity
- External Databases and Backup
- Plus numerous improvements and bug fixes

Thank you for your interest in Crucible 2.0.



See the documentation on <u>Upgrading to this version</u>.

## **Installing Crucible 2.0**

You can now download the Crucible 2.0 from <u>here</u>. If upgrading from a previous version, please follow the <u>Upgrade Guide</u>.

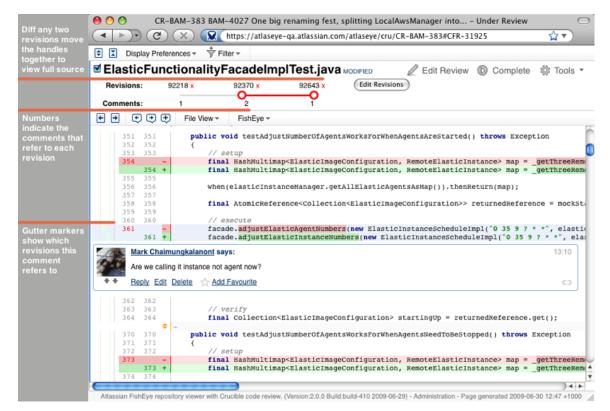
# **Highlights of Crucible 2.0**



## **Iterative Reviews**

Crucible now allows you to review several revisions of a file within one review, seamlessly switching between them. Comments are linked and relative to a specific revision. This allows you to review every change that has occurred on a code file within a given period of time and hence visualise its evolution in the context of the review.

Screenshot: Iterative Reviews

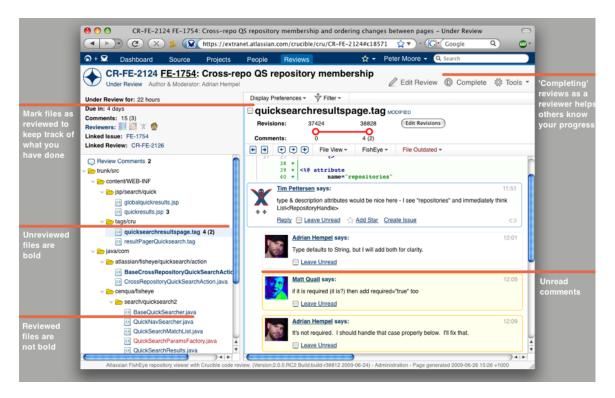


2

## **New User Interface**

Taking on board wide-ranging feedback from customers, the Crucible team has completely revamped the user interface of the product, adding more views on your work and allowing you to access controls from multiple locations and allowing for different work styles. Files in review are arranged in a tree for easy navigation. New viewing modes for reviews support full screen view, side-by-side diff view and single or multiple file views.

Screenshot: Reviewed files

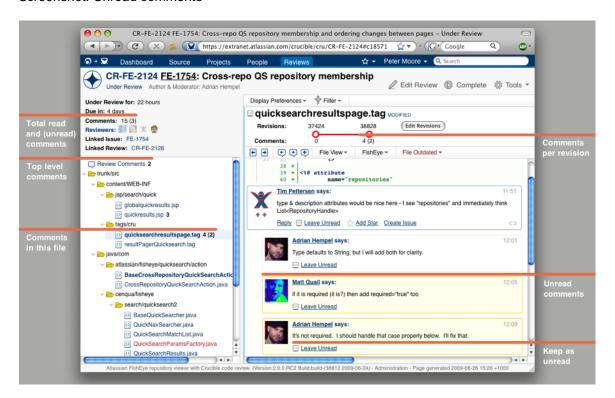




## Read/Unread comments

As you move around a review, Crucible keeps track of which comments you've seen and marks them as read. When you see a comment that you want to come back to, check the 'leave as unread' box so you don't forget it Unlike an email thread, new comments are rarely at the bottom. That's why its especially useful to filter and highlight just the new comments when you come back to a review that's underway.

Screenshot: Unread comments

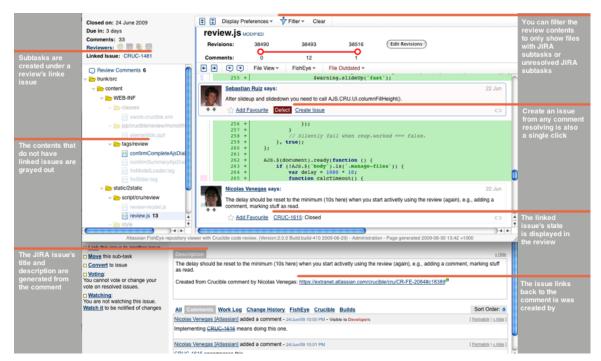




## **Enhanced JIRA Integration**

Crucible now has better JIRA integration, allowing you to see regular JIRA updates in your Crucible dashboard and create JIRA sub-tasks inline, without leaving the Crucible interface. You can still click on issue names to vi the JIRA instance they belong to, also. See <u>instructions for JIRA configuration</u>.

Screenshot: Enhanced JIRA Integration

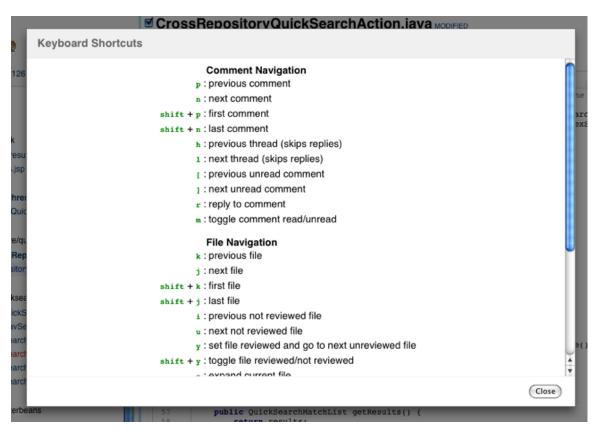




## **Keyboard Shortcuts**

Crucible now has keyboard shortcuts for navigating around your reviews efficiently. No more repetitive strain injury from that mouse wheel.

Screenshot: Keyboard shortcuts

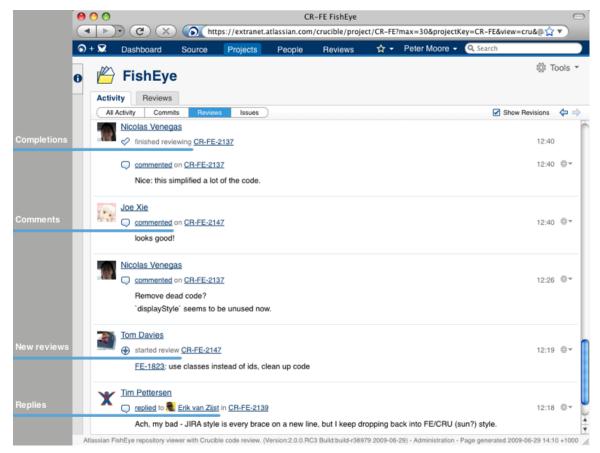




## **Review Activity**

All the activity that happens in Crucible is available as an activity stream. Streams can be accessed per project as well as a personal stream that includes the activity from people, projects, reviews and even comments you favorite or are involved in.

Screenshot: Project review activity stream





## **External Databases and Backup**

Crucible now supports MySQL and Postgress in addition to the embedded HSQL database. Backup and restore capabilities have also been greatly enhanced.



## Plus numerous improvements and bug fixes

Visit our issue tracker to see the full list of improvements and bug fixes.

# Crucible 2.0 Changelog

This page contains information about the Crucible 2.0 minor releases. FishEye license holders should also check the <u>FishEye 2.0 Changelog</u>.



Please read the <u>Crucible 2.0 Upgrade Guide</u> before upgrading to any of the minor releases below

## On this page:

- From 2.0.5 to 2.0.6
- From 2.0.4 to 2.0.5
- From 2.0.3 to 2.0.4
- From 2.0.2 to 2.0.3
- From 2.0.1 to 2.0.2
- From 2.0 to 2.0.1
- From 2.0 Beta3 to 2.0
- From 2.0 Beta2 to 2.0 Beta3
- From 1.6.6 to 2.0 Beta2

### From 2.0.5 to 2.0.6

### 8th October 2009

This is a bugfix release.

This release fixes a bug that affected Crucible-only installations.

### From 2.0.4 to 2.0.5

#### 6th October 2009

This is a bugfix and improvement release.

The following issues are addressed by this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

### From 2.0.3 to 2.0.4

## 8th September 2009

This is a bugfix and improvement release.

• Crucible Light SCM Issues with Deleted Files: See the <u>JIRA issue</u> for details.

The following issues are addressed by this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

## From 2.0.2 to 2.0.3

## 18th August 2009

This is a bugfix release which includes the following issues:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 2.0.1 to 2.0.2

24th July 2009

This is a bugfix release which includes the following issues:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 2.0 to 2.0.1

14th July 2009

This is a bugfix release which includes the following issues:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 2.0 Beta3 to 2.0

30th June 2009

Full list of issues in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 2.0 Beta2 to 2.0 Beta3

5th June 2009

Full list of issues in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 1.6.6 to 2.0 Beta2

Full list of issues in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

# **Crucible 2.0 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 2.0**. For details of the new features and improvements in this release, please read the <u>Crucible 2.0 Release Notes</u> and <u>Crucible 2.0 Changelog</u>.

## On this page:

- Upgrade Notes
  - Supported Browsers
  - MySQL Database Issues

- Problems with Crucible Freezing Unexpectedly
- Upgrade Procedure
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

## **Upgrade Notes**

#### Supported Browsers

Crucible 2.0 now supports the following browsers:

- Safari 3 (or later)
- FireFox 3 (or later)
- Internet Explorer 7 (or later)



A Please note, Internet Explorer 6 is no longer supported.

#### MySQL Database Issues

When migrating your database to MySQL, you may encounter problems with very long comments in MySQL.

#### Problems with Crucible Freezing Unexpectedly

A known issue may cause Crucible 2.0 to freeze unexpectedly.

## **Upgrade Procedure**



## Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

## Checking for Known Issues and Troubleshooting the Crucible Upgrade

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible 2.0 Known Issues in the Crucible Knowledge Base and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

#### RELATED TOPICS

Crucible 2.0 Release Notes Crucible 2.0 Changelog

# Crucible 2.0 Beta Release Notes



Crucible 2.9 has now been released. Read the Release Notes.

**Crucible 2.0 Beta** is a public development release leading up to **Crucible 2.0**. For all production use and testing of Crucible, please use <u>the latest official release</u>.

i This page refers to an updated version of the Beta (Beta 3). We strongly recommend all beta users <u>upgrade</u> to this release.



Do not use in production.

Beta releases should not be used in production environments.



Please also take note of the following information:

- Beta releases are not safe Beta releases are snapshots of the ongoing Crucible development process. As such:
  - While we try to keep these releases stable, they have not undergone the same degree of testing as a full release.
  - Features in development releases may be incomplete, may change or be removed before the next full release.
  - FireFox 3 and Safari are the only browsers supported.

#### 5 June 2009

# **Atlassian presents Crucible 2.0 Beta**

**Crucible 2.0** adds the all-new Iterative Reviews feature, enhanced JIRA integration and a brand new user interface.

## Highlights of this release:

- <u>Iterative Reviews</u>
- Enhanced JIRA Integration
- Stars Feature
- Unique Avatars
- People View
- New User Interface
- Plus numerous improvements and bug fixes

Thank you for your interest in Crucible 2.0 Beta.



See the documentation on <u>Upgrading to this version</u>.

## **Installing Crucible 2.0 Beta**

You can now download the Crucible 2.0 Beta from <u>here</u>. See the documentation on <u>Upgrading to this version</u>.

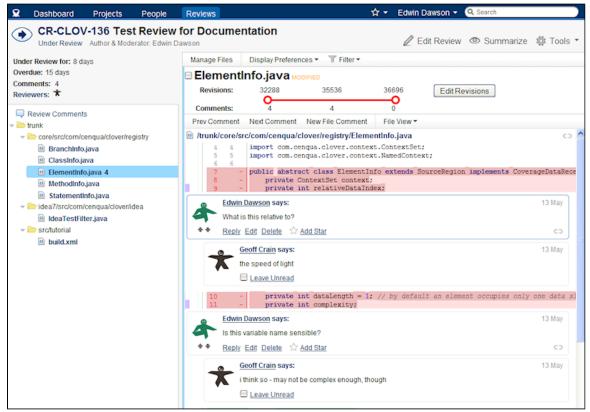
# **Highlights of Crucible 2.0 Beta**



## **Iterative Reviews**

Crucible now allows you to review several revisions of a file within one review, seamlessly switching between them. Comments are persistent and relative to a specific revision. This allows you to review every change that has occurred on a code file within a given period of time and hence visualise its evolution in the context of the review.

Screenshot: Iterative Reviews

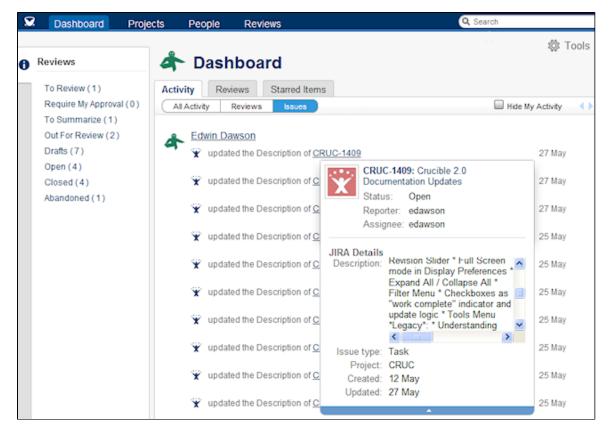




# **Enhanced JIRA Integration**

Crucible now has better JIRA integration, allowing you to see regular JIRA updates in your Crucible dashboard and create JIRA sub-tasks inline, without leaving the Crucible interface. You can still click on issue names to vi the JIRA instance they belong to, also. See <u>instructions for JIRA configuration</u>.

Screenshot: Enhanced JIRA Integration

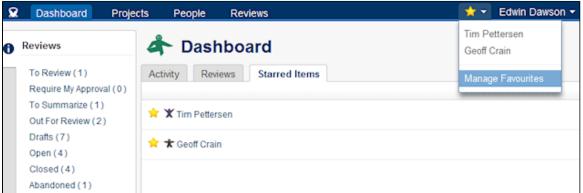




## **Stars Feature**

Crucible now allows you to create a list of "Starred" favourite items that includes reviews, JIRA issues, colleagues and more. These favourites can be viewed together in aggregate as a stream of active work you are doing.

## Screenshot: Stars

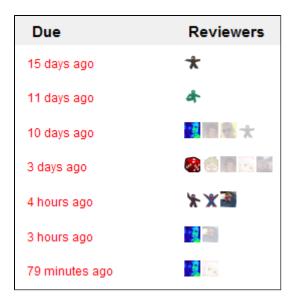




## **Unique Avatars**

Crucible will now generate a unique "Charlie" image that will be used as your avatar in the system. These avatars create a new visual linkage to the personalities working on various items and are used as a visual shorthand to show user involvement on items in menu screens and dialogs.

Screenshot: Unique Avatars





## **People View**

You can now view detailed charts and activity statistics people who use your Crucible instance. You can compare number of reviews complete and other metrics charted over time.

Screenshot: People View

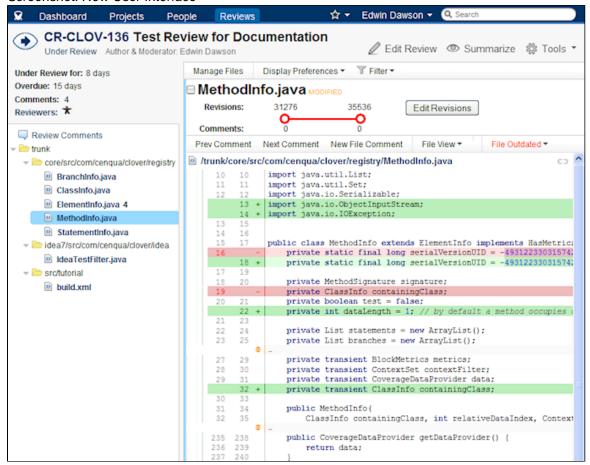




#### **New User Interface**

Taking on board wide-ranging feedback from customers, the Crucible team has completely revamped the user interface of the product, adding more views on your work and allowing you to access controls from multiple locations and allowing for different work styles. Files in review are arranged in a tree for easy navigation. New viewing modes for reviews support full screen view, side-by-side diff view and single or multiple file views.

Screenshot: New User Interface





# Plus numerous improvements and bug fixes

<u>Visit our issue tracker</u> to see to see the full list of improvements and bug fixes between Beta 2 and Beta 3. We strongly recommend all beta users <u>upgrade to the latest beta release</u>.

See the Beta Reviewer's Guide for a list of known issues and guidance on the beta experience.

# **Crucible 2.0 Beta Upgrade Notes**

**Crucible 2.0 Beta** is a public development release leading up to **Crucible 2.0**. For all production use and testing of Crucible, please use <u>the latest official release</u>.





Please also take note of the following information:

- Beta releases are not safe Beta releases are snapshots of the ongoing Crucible development process. As such:
  - While we try to keep these releases stable, they have not undergone the same degree of testing as a full release.
  - Features in development releases may be incomplete, or may change or be removed before the next full release.
  - There will be an upgrade path from the 2.0 Beta to the final release.

This page contains instructions on how to upgrade your Crucible instance to the Crucible 2.0 Beta.

Read about how your Crucible installation works with FishEye.

## **Before you Start**

- Before upgrading you should always read the <u>Release Notes</u> for the version you are upgrading to, as well
  as any versions you are skipping.
- We strongly recommend you make a backup of your data before upgrading Crucible. Simply make a copy of your crucible\_install\_dir/var/data/ directory.
- <u>Download</u> the Crucible zip file.

## **Upgrade Procedure**

#### Method 1 - Using a FISHEYE\_INST Directory

If you have Crucible configured to use a FISHEYE\_INST directory, then simply:

- 1. Shutdown your existing fisheye server
- 2. Make a backup of your FISHEYE\_INST directory
- 3. Extract the new Crucible version to a directory.
- 4. Leave your FISHEYE\_INST environment variable set to its existing location.
- 5. Start Crucible from the new installation.
- 6. Follow any version-specific instructions found in the Release Notes.
- Read more about the FISHEYE INST environment variable.

## Method 2 - Without a FISHEYE\_INST Directory

If you are not using FISHEYE\_INST, you will need to copy some files from your old Crucible installation to your new one.

- 1. Extract the new Crucible archive into a directory such as /NEW FISHEYE/.
- 2. Delete the /NEW\_FISHEYE/var directory.
- 3. Shut down the old Crucible instance if it is running.
- 4. Copy /OLD\_FISHEYE/config.xml to /NEW\_FISHEYE/.
- 5. Copy (or move) the /OLD\_FISHEYE/var directory to /NEW\_FISHEYE/var.
- 6. If you have a Cenqua-issued Crucible license, copy all /OLD\_FISHEYE/\*.license files to /NEW\_FISH EYE/. (Atlassian-issued licenses are included within config.xml.)
- 7. Follow any version-specific instructions found in the Release Notes.

## Method 3 - Without a FISHEYE\_INST Directory, but would like to set one up

- 1. Shut down the old FishEye instance if it is running.
- 2. Set up the FISHEYE\_INST <u>environment variable</u>, then create the FISHEYE\_INST directory on your filesystem.
- 3. Copy the /OLD FISHEYE/config.xml to /FISHEYE INST.
- 4. Copy the /OLD\_FISHEYE/var directory to /FISHEYE\_INST.

- 5. **Download** Crucible.
- 6. Extract the new Crucible archive into a directory such as /NEW\_FISHEYE/.
- 7. Start Crucible from the new installation by running NEW\_FISHEYE/bin/run.sh. (Use run.bat on Windows).
- 8. Follow the initial configuration steps outlined below.
- If you configuration is not automatically picked up and you cannot see your existing repositories, check your Administration > Sys-Info page, where you will see information about FISHEYE\_HOME and FISHEYE\_INST. Check your FISHEYE\_INST is pointing to the right directory.

# Crucible 2.0 Beta Reviewer's Guide

**Crucible 2.0 Beta** is a public development release leading up to **Crucible 2.0**. For all production use and testing of Crucible, please use <u>the latest official release</u>.



Do not use in production.

Beta releases should not be used in production environments.



Please also take note of the following information:

- Beta releases are not safe Beta releases are snapshots of the ongoing Crucible development process. As such:
  - While we try to keep these releases stable, they have not undergone the same degree of testing as a full release.
  - Features in development releases may be incomplete, or may change or be removed before the next full release.
  - FireFox 3 and Safari are the only browsers supported.

Thank you for your interest in the Crucible 2.0 Beta. This page contains some direction on what is ready for testing, what the known issues are and how you can submit feedback.

## **Known Issues**

This is a list of known issues with the Crucible 2.0 Beta; please do not raise requests related to these as solutions for them are already under way.

- REST API updates are not fully functional; you can't access various features from the IDE Connectors or other technology that depends on REST. The features affected include marking comments as read, Iterative Reviews and Activity Streams. Also, JSON support is alpha at this stage.
- JIRA sub-tasks integration will not work on JIRA instances where the JIRA General Setting "allow unassigned issues" is set to 'OFF'.
- Sorting functionality is only partially functional; when you are trying to sort content such as review lists
  on the reviews page, content on the dashboard and project dashboard the sorting of content by name,
  date and so on only applies to the current page of results. To mitigate this, narrow down your searches so
  that you only have one page of results. This will be revised to have server-side sorting.
- You can't create reviews with files or changesets from multiple repositories.

## **Features Ready For Testing**

The following features in the Crucible 2.0 Beta are relatively hardened and using these thoroughly will help contribute to the final product.

- Iterative Reviews; create a review on multiple revisions of a changeset, to see the history and evolution of the code in-line.
- Activity Streams; see review activity, code commits and JIRA activity (when properly configured) on the Dashboard.
- External Database Support; You can now store Crucible's internal data in a MySQL or PostgreSQL database, as an alternative to the built-in HSQLDB.

- Crucible can assist you in updating reviews by suggesting changesets that are likely related to your reviews.
- Reviews can now have a Due Date. Reviews that are overdue will show up in red on the reviewer's dashboards to minimise the chance of reviews getting stale.
- Stars; add colleagues, reviews and files to your favourites list, then view updates related to them as a feed.
- Charlietars; the automatically generated Crucible avatars should work smoothly. Also, you can sign up to Globally Recognised Avatars (http://www.gravatar.com) to upload a profile image and use that instead of the Charlie image.
- Scheduled Backups; you can now easily set Crucible to backup data periodically using a simple calendar function in the user interface.

## Submitting feedback

To submit feedback on the Crucible 2.0 Beta, please use the Crucible Forums.

# JIRA Integration in Crucible 2.0 Beta

Crucible 2.0 Beta is a public development release leading up to Crucible 2.0. For all production use and testing of Crucible, please use the latest official release.



Do not use in production.

Beta releases should not be used in production environments.

- Please also take note of the following information:
  - Beta releases are not safe Beta releases are snapshots of the ongoing Crucible development process. As such:
    - While we try to keep these releases stable, they have not undergone the same degree of testing as a full release.
    - Features in development releases may be incomplete, or may change or be removed before the next full release.

This page contains instructions for setting up JIRA integration in Crucible.

i JIRA is Atlassian's issue tracking product, which can be used to manage projects and associated work.

A Before you begin: Ensure that you configure your JIRA instance to enable sub-tasks, enable unassigned issues and allow Remote API access. The instructions on this page have been tested with JIRA 3.13.4.

## On this page:

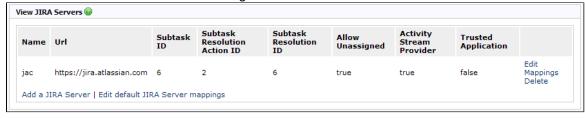
- Opening the Administration Screen for JIRA Integration
- Adding a New JIRA Server
  - Obtaining the Subtask Type ID
  - Obtaining the Subtask Resolution ID and Subtask Resolution Action ID
- Editing Default JIRA Server Mappings
- Operations on Existing Servers
  - Edit settings for an existing JIRA server
  - Edit mappings for an existing JIRA server
  - Delete an existing JIRA server

JIRA issues can be viewed in the main Dashboard view in Crucible. This requires you to enter details on the required JIRA server(s) via the Crucible administration screens.

## **Opening the Administration Screen for JIRA Integration**

To set up JIRA integration, open the Administration screen and then click 'JIRA Servers' under the 'Global Settings' sub-menu on the left navigation bar. The 'View JIRA Servers' administration page opens.

Screenshot: The View JIRA Servers Page



On the View JIRA Servers page, you can carry out a number of operations as listed on this page.

## Adding a New JIRA Server

To add a new JIRA server from the View JIRA Servers page, click 'Add JIRA Server'.

The 'Add JIRA Server' page opens.

Screenshot: The Add JIRA Server Page

30				
Ŀ	Add JIRA Server @			
	Server Details			
	Name:			
	URL:			
	Default Subtask Settings (leave bla	nk to disable subtasks)		
	Subtask Type ID:			
	Subtask Resolution Action ID:			
	Subtask Resolution ID:			
	Allow Unassigned:	Yes ○ No		
	Default Authentication			
	Username:			
	Password:			
	Options			
		Include in Activity Streams		
		Authenticate as Trusted Application		
	Test	Save Cancel		

A number of fields and options must be filled out or selected on this page. See the table below for information on each field.

Option	Туре	Description	Required
Name	Text Field	A descriptive name for the JIRA server.	Yes

URL	Text Field	The Internet address of the JIRA server.	Yes
Subtask Type ID	Number	This is required to enable creating issues from a Crucible comment.	No
Subtask Resolution Action ID	Number	This is required to enable creating issues from a Crucible comment. See below for instructions on obtaining this number.	No
Subtask Resolution ID	Number	This is required to enable creating issues from a Crucible comment. See below for instructions on obtaining this number.	No
Allow Unassigned	True/False Button	Allow unassigned sub-tasks.	No
Username	Text Field	The username of an account on the JIRA instance (All activity that takes place will be attributed to this user, unless using the Trusted Application setting).	Yes
Password	Text Field	The password for the account on the JIRA instance.	Yes
Include in Activity Streams	Check Box	Allows JIRA information to appear on the Dashboard.	No
Authenticate as Trusted Application	Check Box	Allows the system to interface with JIRA and let users log on with their own accounts (and use their own accounts on the JIRA server. See complete FishEye documentation and complete JIRA documentation.	No

Once you've filled out the necessary fields, click '**Test**' to ensure that your details are correct. If you have a positive message return from the test, click '**Save**'.

## Obtaining the Subtask Type ID

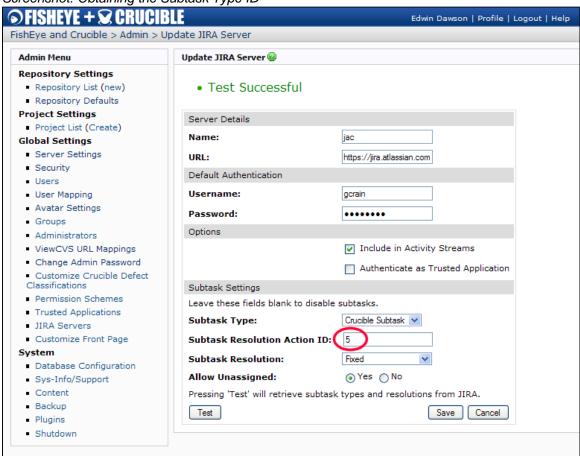
1 This value is required (along with the Subtask Resolution ID and Subtask Resolution Action ID) to enable

creating issues from a Crucible comment. This is the subtask type that will be created when you create a JIRA subtask in Crucible.

To obtain this value, carry out the following steps.

- 1. Enable sub-tasks on your JIRA instance from the '**JIRA Administration'** > **'\*Sub-Tasks**' page. See the <u>JIRA documentation</u> for details on this step.
- 2. Return to the FishEye Administration screen and then click 'JIRA Servers' under the 'Global Settings' sub-menu on the left navigation bar. Click 'Edit' next to the JIRA server you have configured.
- 3. Your JIRA server's basic details should appear. Click '**Test**' once again. The field for Subtask Type ID will change to a drop-down menu, showing the available subtask types. Choose the correct one.
- 4. Save your Crucible configuration settings.

Screenshot: Obtaining the Subtask Type ID



## Obtaining the Subtask Resolution ID and Subtask Resolution Action ID

These values are required (along with the Subtask Type ID) to enable creating issues from a Crucible comment.

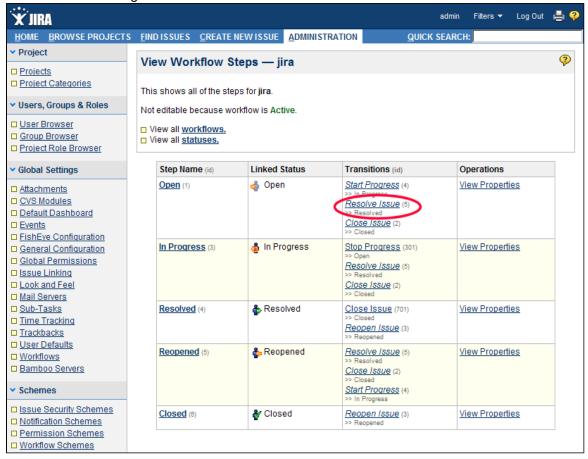
To obtain these values, carry out the following steps.

- 1. Open your JIRA instance and go to 'Administration' > 'Workflows'. The 'Workflows' screen opens. By default, the 'JIRA' workflow is shown on screen in a table.
- 2. Click the 'Steps' link in the far right table cell. The 'View Workflow Steps JIRA' page opens.
- 3. The 'Subtask Resolution Action ID' is in the 'Open' row, under the 'Transitions' column. Look at the link in that cell named 'Resolve Issue'. The ID number is shown in brackets next to that heading 'Resolve Issue' (shown in the screenshot below as 5).
- 4. Save your Crucible configuration settings.
- 5. The 'Subtask Resolution ID' is the 'Resolved ID' on this page. The ID number is shown in brackets next to the heading 'Resolved' (shown in the screenshot below as '4'). Note it down and enter it into the Crucible

configuration screen.

6. Save your Crucible configuration settings.

Screenshot: Obtaining the Subtask Resolution ID & Subtask Resolution Action ID

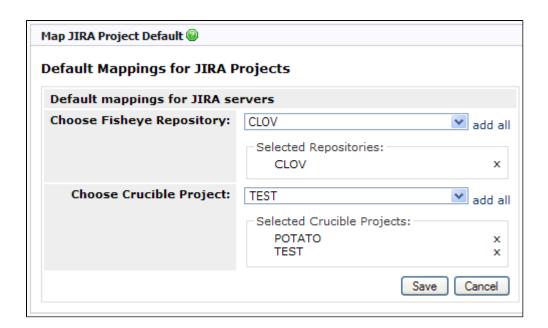


#### **Editing Default JIRA Server Mappings**

This setting enables the Crucible feature that shows JIRA information in a dynamic window when you hover the mouse over a JIRA issue key in Crucible. It will also turn every issue key into a hyperlink to that issue in Crucible.

To enable this feature, click 'Edit Default JIRA Server Mappings' from the View JIRA Servers page. The 'Map JIRA Project Default' page opens.

Screenshot: The Default JIRA Server Mappings Page



On this page, select the FishEye repositories or Crucible Projects that you wish to associate with all the JIRA servers you have configured for use in Crucible. You can click 'add all' to quickly include them all in this category. You can remove individual items by clicking the small 'X' marks.

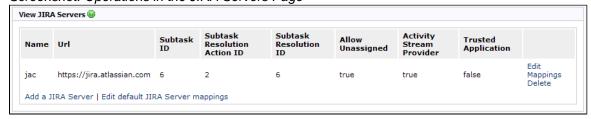
Once you've finished, click 'Save'.

A You should disable any existing Crucible <u>linkers</u> you have set up for JIRA, as they will override this feature and prevent the dynamic dialog box from appearing when you mouse over an issue.

#### **Operations on Existing Servers**

Once you have configured an existing JIRA server, there are three main operations you can carry out on it: 'Edit', 'Mappings' and 'Delete'. These options appear on the far right of the screen.

Screenshot: Operations in the JIRA Servers Page



#### Edit settings for an existing JIRA server

When you click 'Edit', you can adjust any of the general settings you configured when you first added the server.

# Edit mappings for an existing JIRA server

When you click 'Mappings', a page is loaded that is almost identical to the 'Default Mapping' screen, but allows you to choose mappings only for that specific JIRA server.

#### Delete an existing JIRA server

Clicking 'Delete' will remove the server from the list.

# **Crucible 1.6 Release Notes**

A Crue

Crucible 2.9 has now been released. Read the Release Notes.

#### 23 September 2008

# **Atlassian presents Crucible 1.6**

Crucible release 1.6 makes it easier to review content that is not in FishEye. Furthermore, Crucible 1.6 can be deployed without FishEye for the first time. Through Crucible's new 'Light SCM' plugins, you can include content in reviews that are not associated with FishEye or even a source control repository. For example, you can review pages directly from Confluence, files on any file system connected to the machine FishEye is running on, and Subversion repositories not connected to FishEye. Crucible now has better support for uploading files for pre-commit review, in addition to the existing support for patches.

#### Highlights of this release:

- Support for Non-FishEye Repositories
- Confluence Page Reviews
- Shared File System Repositories
- Enhanced Pre-commit Reviews & Image Support
- Multiple Admin Users
- Expanded API
- Plus numerous improvements and bug fixes



#### **Upgrading to Crucible 1.6**

You can now download Crucible from <u>here</u>. If upgrading from a previous version, please follow the  $\underline{U}$  parade Guide.

# **Highlights of Crucible 1.6**



# **Support for Non-FishEye Repositories**

Crucible can now be deployed as a stand-alone application for the first time. With Crucible 1.6, you no longer need a FishEye license or even a source-control repository. Crucible's new *Light SCM plugin* infrastructure already supports <u>Confluence</u>, <u>server file systems</u>, and Subversion repository types. We will be adding GIT and ClearCase in the near future. The Light SCM interface is public and the shipped plugins are open source. As a result, you can extend these plugins or even write your own — great news for plugin developers.



### Confluence Page Reviews

Crucible 1.6 allows you to select Atlassian Confluence as a source of material for reviews. In this way, you can use Crucible to easily review the Wiki Markup of pages created in Confluence. Read more.

Screenshot: Confluence Page Reviews in Crucible



# **Shared File System Repositories**

You can create a 'repository' for a local or remote directory on the server file system. Teams that are managing documents through a shared file system instead of a source control system can still benefit from peer reviews. ead more.

Screenshot: Crucible Reviews on the File System

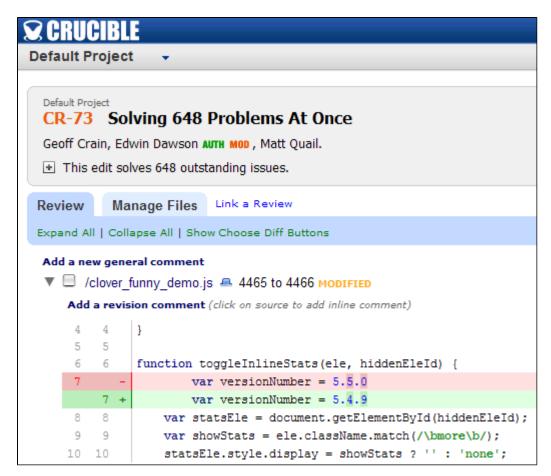


# **Enhanced Pre-commit Reviews & Image Support**

In addition to Crucible's patch support, 1.6 enables any file to be uploaded for review. The new upload functionality enables two files to be uploaded and compared in the review window, with diff highlighting. Read more.

Crucible now supports before and after inline image previews.

Screenshot: Crucible Review of Uploaded Files





# **Multiple Admin Users**

Crucible now allows the Administrator to grant other users administration privileges. Admin Users can be individually assigned or given privileges through local or remote directory groups. Read more.



# **Expanded API**

The Crucible API now allows programmable review creation, along with a host of other additions. Read more.



#### Plus numerous improvements and bug fixes

Error rendering macro 'jiraissues': Unable to determine if sort should be enabled.

# Crucible 1.6 Changelog

This page contains information about the Crucible 1.6 minor releases. FishEye license holders should also check the FishEye 1.6 Changelog.



A Please read the Crucible 1.6 Upgrade Guide before upgrading to any of the minor releases below.

## On this page:

- From 1.6.5.a to 1.6.6
- From 1.6.4 to 1.6.5.a
- From 1.6.3 to 1.6.4
- From 1.6.2.1 to 1.6.3
- From 1.6.2 to 1.6.2.1
- From 1.6.1 to 1.6.2
- From 1.6.0 to 1.6.1

#### From 1.6.5.a to 1.6.6

#### 10 February 2009

This release updates the supporting libraries for Crucible plugins. This change enables the use of the new <u>Git Crucible plugin</u> for performing code reviews against a Git repository.

The Git plugin is not currently bundled with Crucible but may be downloaded from the Atlassian Maven repository here:

https://maven.atlassian.com/browse/com.atlassian.crucible.plugins/crucible-git-scm-plugin/1.0

The Git plugin should be considered an early access release. It allows reviews to be performed against a local Git repository clone. Note that the plugin does not update the cloned repository automatically. For more information on the Git plugin, please see the <u>documentation</u>.

We are very interested in any feedback users have on the Git Crucible plugin. Please post feedback in the <u>Crucible forums</u>.

Full list of issues fixed in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

#### From 1.6.4 to 1.6.5.a

# **22 December 2008**

This release contains a number of improvements and bug fixes.

Full list of issues fixed in this release:

JIRA Issues (6 issues)			
Key	Summary	Priority	Status
CRUC-947	Patch context displays Index Out of bounds exception	•	♣ Closed
CRUC-938	doco that we require jdk 1.5.x and 1.6.0u4+	ŵ	♣ Closed
CRUC-928	Crucible 1.6.4 REST API fails under JavaSE 6	•	d Closed
CRUC-886	Context lines can be duplicated with Patch diff options	<b>4</b>	♣ Closed
CRUC-867	file names with "" in their name will not be rendered	•	♣ Closed

	properly in crucible reviews		
CRUC-683	Add a "expand all unchecked" option to top of review screen	<b>4</b>	♣ Closed

#### From 1.6.3 to 1.6.4

#### **20 November 2008**

This release contains bug fixes and minor improvements, and includes the new plugin points developed for <u>Atlas Camp 2008</u>.

Full list of issues fixed in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

#### From 1.6.2.1 to 1.6.3

#### 5 November 2008

This release rolls together several improvements and bug fixes.

- Auto-save draft comments.
- Performance improvements when using Light SCM repositories.
- Bundle a Perforce Light SCM implementation.
- Various REST API improvements, including Conditional-Get support, improved error handling and revised review searching, which now allows any criteria to be omitted.
- JSON serialization has been added to the REST API, allowing the use of JSON in REST API calls. This
  feature is in an experimental state at present. Please report any issues discovered.

**Please be aware of the upgrade notes** regarding Light SCM repositories (this does not impact FishEye repositories):

- The configuration storage for the bundled File-system, Confluence and Subversion Light SCM plugins changed. Once you have upgraded to 1.6.3 you will need to re-add those repositories. Please read the Upgrade Notes in the <u>Crucible 1.6 Upgrade Guide</u>.
- The Light SCM plugin API was changed in this release. Light SCM plugins compiled against the old API will not work in this release of Crucible.

Full list of issues fixed in this release:

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

#### From 1.6.2 to 1.6.2.1

## 24 October 2008

This release fixes a problem in 1.6.2 when running Crucible on Windows. Due to a file-lock issue, the upgrade script in 1.6.2 could not start.

• <u>CRUC-781</u> Upgrade from 1.6 to 1.6.2 fails for windows machines.

## From 1.6.1 to 1.6.2

#### 21 October 2008

This release fixes a bug in the way Crucible stores review data. This bug was introduced in Crucible 1.6.0. **We strongly recommend all 1.6.0, 1.6.0-beta and 1.6.1 users immediately upgrade to this release.** 

If this bug occurs in your Crucible instance, you will find that review data created after that point will be corrupt. If you find that is the case please contact <u>Crucible support</u> for assistance.

<u>CRUC-743</u> Switch from CACHED tables mode back to memory table.

#### From 1.6.0 to 1.6.1

#### 24 September 2008

This is a bug fix release.

- Crowd 1.3 users will need to upgrade to Crowd 1.4.4 or later due to an incompatibility with this version of Crucible.
- CRUC-673 NPE when viewing a review.
- CRUC-674 NPE when closing a review.

# **Crucible 1.6 Upgrade Guide**

Below are some important notes on upgrading to **Crucible 1.6**. For details of the new features and improvements in this release, please read the <u>Crucible 1.6 Release Notes</u> and <u>Crucible 1.6 Changelog</u>.

## On this page:

- Upgrade Notes
  - Crucible 1.6.3 Upgrade Notes
- <u>Upgrade Procedure</u>
- Checking for Known Issues and Troubleshooting the Crucible Upgrade

#### **Upgrade Notes**

#### Crucible 1.6.3 Upgrade Notes

- The configuration storage for the bundled File-system, Confluence and Subversion Light SCM plugins changed. Please follow the procedure below.
- The Light SCM plugin API was changed in this release. Light SCM plugins compiled against the old API will not work in this release of Crucible.

## **Crucible 1.6.3 Upgrade Procedure:**

Due to a configuration change, you will need to delete and add your LightSCM repositories again:

- Before you shut down Crucible, take a note of your Light SCM configuration. You can view this
  configuration in the 'Repository List' Administration page, in the 'LightSVN', 'Confluence' and 'File
  System' sections.
- 2. Follow the general instructions on upgrading Crucible.
- 3. While Crucible is shut down, delete the confluence, svn and filesystem config files in FISHEYE\_IN ST/var/plugins/user.
- 4. Once Crucible has been restarted, add the Light SCM repositories from step 1 back in again.

# **Upgrade Procedure**



#### Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

# **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible Knowledge Base for known issues and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a <u>support ticket</u> and one of our support engineers will help you.

#### RELATED TOPICS

Crucible 1.6 Release Notes Crucible 1.6 Changelog

# Crucible 1.5 Release Notes



Crucible 2.9 has now been released. Read the Release Notes.

#### 14 April 2008

# Atlassian presents Crucible 1.5

Crucible release 1.5 brings new enhancements that make your code review activities quicker and easier. The all-new per-project page consolidates the display of work done on a particular goal or product, while filtered search for defects and comments provides rapid access to Crucible content that you need to see, now.

#### Highlights of this release:

- Project Dashboard
- Filtered comments & defects search, with statistical summary
- Customisable email templates
- Improvements to Crucible Plugin API beta
- Plus numerous improvements and bug-fixes



## **Upgrading to Crucible 1.5**

You can now download Crucible from <u>here</u>. If upgrading from a previous version, please follow the <u>U</u> <u>parade Guide</u>.

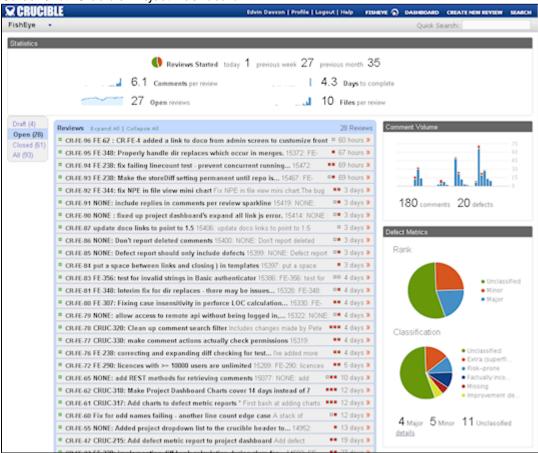
# **Highlights of Crucible 1.5**



# **Project Dashboard**

Crucible 1.5 introduces the Project Dashboard, which allows you to see open reviews that belong to a given project, presented with additional project-related data and graphs.

Screenshot: Crucible Project Dashboard

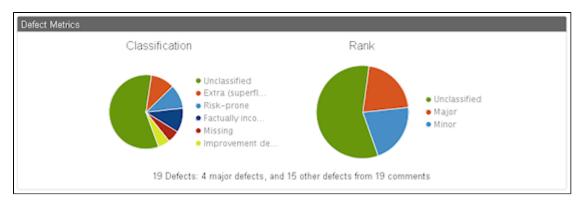




# Filtered comments & defects search, with statistical summary

Defects and comments are now searchable, easing the difficulty of finding a particular piece of work or revision (and its relevant comments). These search results now also show a very useful statistical summary. Also, a new defect metrics report is available.

Screenshot: Crucible Defect Metrics Report





# **Customisable email templates**

You can now customise the content and appearance of email notifications that get sent to Crucible users. For example you can append a legal disclaimer, alter the subject line or provide custom header text for all messages.



# Improvements to Crucible Plugin API beta

Now with REST support and the ability to upload patches, the Crucible Plugin API beta is for Crucible integrato who want to extend Crucible to interoperate with their enterprise infrastructure or processes.

## Plus numerous improvements and bug-fixes

Error rendering macro 'jiraissues': Unable to determine if sort should be enabled.

# **Crucible 1.5 Changelog**

This page contains information about the Crucible 1.5 minor releases. FishEye license holders should also check the <u>FishEye 1.5 Changelog</u>.



Please read the <u>Crucible 1.5 Upgrade Guide</u> before upgrading to any of the minor releases below.

#### On this page:

- From 1.5.3 to 1.5.4
- From 1.5.2 to 1.5.3
- From 1.5.1 to 1.5.2
- From 1.5.0 to 1.5.1

## From 1.5.3 to 1.5.4

#### 1 August 2008

This release contains minor improvements and bug fixes.

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 1.5.2 to 1.5.3

23 June 2008

This release contains bug fixes.

Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 1.5.1 to 1.5.2

27 May 2008

This release contains bug fixes.

Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

From 1.5.0 to 1.5.1

24 April 2008

This release contains bug fixes.

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

# **Crucible 1.5 Upgrade Guide**

Below are some important notes on upgrading to Crucible 1.5. For details of the new features and improvements in this release, please read the Crucible 1.5 Release Notes and the Crucible 1.5 Changelog.

## On this page:

- Upgrade Procedure
- · Checking for Known Issues and Troubleshooting the Crucible Upgrade

# **Upgrade Procedure**



Upgrade a test environment first

As always, please test your upgrades in your test environment before rolling into production.

If you are already running a version of Crucible, please follow these instructions on <u>Upgrading to a new version</u> of Crucible.

# **Checking for Known Issues and Troubleshooting the Crucible Upgrade**

If something is not working correctly after you have completed the steps above to upgrade your Crucible installation, please check for known Crucible issues and try troubleshooting your upgrade as described below:

- Check for known issues. Sometimes we find out about a problem with the latest version of Crucible after we have released the software. In such cases we publish information about the known issues in the Crucible Knowledge Base. Please check the Crucible Knowledge Base for known issues and follow the instructions to apply any necessary patches if necessary.
- Did you encounter a problem during the Crucible upgrade? Please refer to the guide to troubleshooti ng upgrades in the Crucible Knowledge Base.
- If you encounter a problem during the upgrade and cannot solve it, please create a support ticket and one of our support engineers will help you.

#### **RELATED TOPICS**

Crucible 1.5 Release Notes Crucible 1.5 Changelog

# **Crucible 1.2 Release Notes**



Crucible 2.9 has now been released. Read the Release Notes.

## **December 5, 2007**

The Atlassian Crucible team is delighted to present Crucible 1.2.

Crucible release 1.2 brings you a host of popular new features. You can now group your reviews into projects (similar to <u>JIRA</u> projects) and authorise your users via project permission schemes.

New user management screens make the administrator's job a lot easier. The new built-in integration with Atlassian Crowd extends your authentication and authorisation capabilities. You can now include users and groups from one or more Crowd directories, and provide single sign-on (SSO) across Atlassian products plus any other applications that support SSO.

Crucible's integration with JIRA and FishEve is now closer than ever before. Read the details below.

#### Highlights of this release:

- Reviews grouped into projects
- Customisable permission schemes
- Plugin API
- Enhancements to user management
- JIRA integration
- Crucible 1.2 includes FishEye 1.4
- Plus over 20 improvements and bug-fixes

#### Responding to your feedback:

👚 8 new feature requests/improvements implemented

\* 9 votes satisfied

Your [votes and issues|http://jira.atlassian.com/browse/CRUC] help us keep improving our products, and are much appreciated.

# **Upgrading to Crucible 1.2**

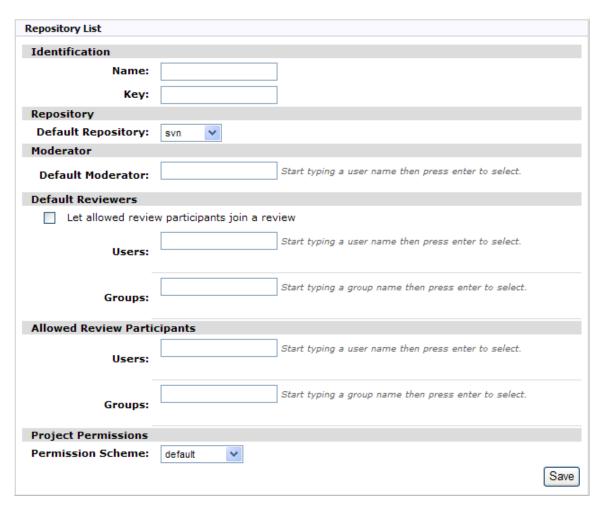
You can now download Crucible from <u>here</u>. If upgrading from a previous version, please follow the  $\underline{U}$  <u>pgrade Guide</u>.

# **Highlights of Crucible 1.2**



# Reviews grouped into projects

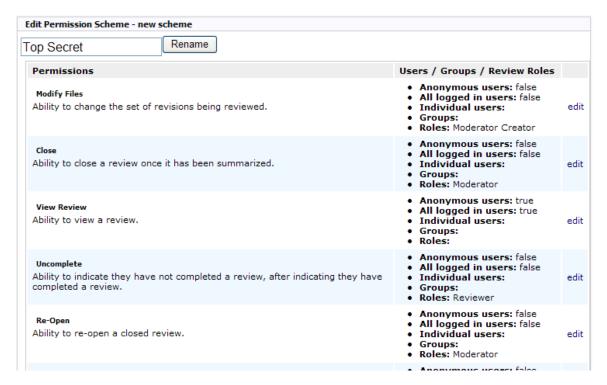
- Crucible now supports projects every review will belong to a project.
- Each project has a unique key (prefix), modelled on <u>JIRA</u> keys.
- You can add your own projects via the new administration screens.
- You can specify review defaults per project, such as the default users for each role and a default repository.
- And you can restrict the users/groups who can perform a particular role, e.g. only team leaders can be moderators.
- Each project has its own permission scheme (see below).



2

# **Customisable permission schemes**

- A <u>permission scheme</u> is a set of actions which a user can perform (e.g. create a review, approve a review, etc).
- Each project can have its own custom permission scheme or you can use the same scheme for multiple projects.
- The permission scheme for a review is determined by the review's project.





## **Plugin API**

- A new plugin Crucible programming interface (API), in **beta** for this release, supports the following functionality:
  - Create or modify reviews and comments.
  - Add files, patches, etc to reviews.
  - Invoke state transitions.
  - · Add custom servlet handlers.
- More <u>information</u>.



# **Enhancements to user management**

In Crucible 1.1.2, we introduced support for public signup (self-registration). Now in Crucible 1.2:

- Administrator can make the email address for <u>self-signups</u> optional.
- Improved user interface makes user administration easier.
- Groups are supported.
- Read the <u>FishEye documentation</u>.



# **JIRA** integration

The new version 1.2 of the FishEye-for-JIRA plugin includes some useful improvments:

- new 'FishEye' tab for JIRA issues and projects
- improved ability to <u>create a Crucible review</u> from the 'FishEye' tab within a JIRA issue just click the Crucible icon:





# Crucible 1.2 includes FishEye 1.4

... and provides closer integration than ever before.

- FishEye screens include links to existing Crucible reviews. So you can see which files/changesets have been reviewed.
- EyeQL allows you to search for Crucible data. For example, you can search for files that have not yet been reviewed.
- Crucible now has built-in <u>Crowd/SSO</u> support.
- See the FishEve 1.4 Release Notes.



# Plus over 20 improvements and bug-fixes

Error rendering macro 'jiraissues': Unable to determine if sort should be enabled.

# **Crucible 1.2 Changelog**

This page contains information about the Crucible 1.2 minor releases.



Please read the <u>Crucible 1.2 Upgrade Guide</u> before upgrading to any of the minor releases below.

#### On this page:

- From 1.2.2 to 1.2.3
- From 1.2.1 to 1.2.2
- From 1.2 to 1.2.1

## From 1.2.2 to 1.2.3

#### 7 February 2008

This release contains bug fixes (including those in from FishEye 1.4.3).

# Error rendering macro 'jiraissues' : Unable to determine if

# sort should be enabled.

#### From 1.2.1 to 1.2.2

This release contains some minor improvements and bug fixes.

- Trusted Application Support FishEye/Crucible now allows you to set up trusted communications with other Atlassian applications. At this point, the JIRA FishEye plugin supports Trusted Applications. The JIRA FishEye plugin can request information from FishEye on behalf of the currently logged-in user, and FishEye will not ask the user to log in again or to supply a password. Previously FishEye/Crucible would have used a single 'system' account to determine permissions. Now, FishEye/Crucible can apply the correct permission settings for the logged-in user.
- Hyphens are now allowed in project key names.

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

#### From 1.2 to 1.2.1

This is a small bug-fix release.

# Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.

# **Crucible 1.2 Upgrade Guide**

## **Upgrade Notes**

 During the upgrade, a default <u>project</u> and default <u>permission scheme</u> will be created. All existing reviews will be assigned to the default project.

#### **Upgrade Procedure**

- Please read the <u>Release Notes</u> for the version you are upgrading to, as well as any versions you are
- Follow the instructions on <u>upgrading Crucible</u>.

# Crucible 1.1 Release Notes



Crucible 2.9 has now been released. Read the Release Notes.

#### 18 September 2007

Crucible 1.1 allows pre-commit (patch) reviews, side-by-side diff mode, syntax highlighting in diffs, and many other bug fixes and improvements.

## **Upgrading Crucible**

You can now download Crucible from here. Information on installing Crucible can be found here. If upgrading from a previous version, please follow the Upgrade Guide.

# **Highlights of Crucible 1.1**

- Pre-commit review (<u>patch review</u>).
- Progress tracking through a review by marking each file as 'done'.

- Side-by-side diff mode within the review display.
- · Syntax highlighting when displaying a diff.
- Many small UI fixes and improvements. Refer to the <u>changelog</u> for more details.

# **Crucible 1.1 Changelog**

This page contains information about the Crucible 1.1 minor releases.



Please read the <u>Crucible 1.1 Upgrade Guide</u> before upgrading to any of the minor releases below.

#### On this page:

- From 1.1.3 to 1.1.4
- From 1.1.2 to 1.1.3
- From 1.1.1 to 1.1.2
- From 1.1 to 1.1.1

#### From 1.1.3 to 1.1.4

This release updates the included FishEye component and includes a number of performance improvements and bug fixes for Subversion and Perforce repository indexing.

#### From 1.1.2 to 1.1.3

This release fixes a bug <u>CRUC-104</u> that prevented Crucible from correctly displaying large patches.

#### From 1.1.1 to 1.1.2

This release adds some new user-related functions and includes bug fixes.

#### **New Features**

- You can now allow users to create their own user accounts (sign-up).
- You can now allow anonymous browsing of reviews.
- Users can now add themselves as a reviewer ('Join a review'). This is an option that is configured per review.

#### **Bug fixes**

- Fix problem where Crucible would only display the top part of each diff in a patch.
- Fix various JavaScript and UI errors.
- Fix various IE6 and IE7 problems.
- Fix problem where some users where redirected to /uar/browser.css after login.

#### From 1.1 to 1.1.1

This is a small bug-fix release. It addresses a stack-overflow problem for some configurations.

# **Crucible 1.1 Upgrade Guide**

#### **Upgrade Notes**

- As of version 1.0, Crucible now requires a JVM version 1.5 or later. Previously, 1.4+ was required.
- Crucible 1.1.4 includes FishEye 1.3.8.
- Upgrading from 1.0.4 (or earlier) will force a complete re-index of P4 repositories.

### **Upgrade Procedure**

• Please read the Release Notes and Upgrade Guides for the version you are upgrading to, as well as any

- versions you are skipping.
- Follow the instructions on <u>upgrading Crucible</u>.

# **Security advisories**

## Finding and reporting a security vulnerability

Atlassian's approach to releasing patches is detailed in How to Report a Security Issue.

## **Publication of Bamboo security advisories**

Atlassian's approach to publishing security advisories is detailed in Security Advisory Publishing Policy.

## **Severity levels**

Atlassian's scale for measuring security issues is detailed in Severity Levels for Security Issues.

# Our patch policy

Atlassian's approach to releasing patches is detailed in our Security Patch Policy.

## Security advisories

- FishEye and Crucible Security Advisory 2012-08-21
- FishEye and Crucible Security Advisory 2012-05-17
- FishEye and Crucible Security Advisory 2012-01-31
- FishEye and Crucible Security Advisory 2011-11-22
- FishEye and Crucible Security Advisory 2011-05-16
- FishEye and Crucible Security Advisory 2011-01-12
- Crucible Security Advisory 2010-06-16
- Crucible Security Advisory 2010-05-04

# FishEye and Crucible Security Advisory 2012-08-21

This advisory discloses security vulnerabilities that we have found in FishEye and/or Crucible and fixed in a recent version of FishEye and/or Crucible.

- Customers who have downloaded and installed FishEye and/or Crucible should upgrade their existing FishEye and/or Crucible installations to fix this vulnerability.
- Atlassian OnDemand and JIRA Studio customers are not affected by any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerability listed in this advisory has been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

#### In this advisory:

Elevation of privileges vulnerability

#### Elevation of privileges vulnerability

#### Severity

Atlassian rates the severity level of this vulnerability as **Medium**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, moderate or low.

This is an independent assessment and you should evaluate its applicability to your own IT environment.

#### Description

We have identified and fixed a vulnerability in FishEye and Crucible that results from behaviour of certain third-party frameworks used in FishEye and Crucible. This vulnerability allows any attacker to:

- Set the FishEye and Crucible instance to allow anonymous access
- Set the FishEye and Crucible instance to allow anonymous signup

All versions of FishEye and Crucible up to and including 2.7.14 are affected by this vulnerability. The vulnerability is fixed in FishEye and/or Crucible 2.8.0 and later. This issue can be tracked at

FE-4222 - <u>Authenticate</u> to see issue details and <u>CRUC-6188</u> - <u>Authenticate</u> to see issue details .

The table below describes the FishEye and/or Crucible versions and the specific functionality affected by the vulnerabilities.

FishEye and/or Crucible Vulnerability	Affected versions	Fixed Version	Issue Tracking
Elevation of privileges	2.5.x or earlier 2.6.x	2.5.9 2.6.9	FE-4222 - Authentic ate to see issue details
	2.7.x	2.7.15, 2.8.0	CRUC-6188 - Authe nticate to see issue details

**Note:** The email we sent out wrongly states that fixed versions are 2.5.8 and 2.6.7. FishEye and Crucible development team apologise for the mistake.

## **Risk Mitigation**

If you cannot upgrade immediately, you can disable all access from the public Internet to your FishEye and/or Crucible instance to prevent external attacks.

#### Fix

## **Upgrade**

The vulnerabilities and fix versions are described in the 'Vulnerability' section above.

We recommend that you upgrade to the latest version of FishEye and/or Crucible, if possible. For a full description of the latest version of FishEye and Crucible, see the <u>FishEye release notes</u> and <u>Crucible release notes</u>. You can download the latest version of FishEye and Crucible from the <u>FishEye download centre</u> and <u>Crucible download centre</u>.

There are no patches available.

# FishEye and Crucible Security Advisory 2012-05-17

This advisory discloses a critical security vulnerability that exists in all versions of FishEye and Crucible up to

and including 2.7.11.

- Customers who have downloaded and installed FishEye or Crucible should upgrade their existing FishEye and Crucible installations to fix this vulnerability.
- Enterprise Hosted customers need to request an upgrade by raising a support request at <a href="http://support.atlassian.com">http://support.atlassian.com</a> in the "Enterprise Hosting Support" project.
- JIRA Studio and Atlassian OnDemand customers are not affected by any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerability listed in this advisory has been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

## In this advisory:

- Critical XML Parsing Vulnerability
  - Severity
  - Description
  - Risk Mitigation
  - Fix

## **Critical XML Parsing Vulnerability**

## Severity

Atlassian rates the severity level of this vulnerability as **critical**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, medium or low.

This is an independent assessment and you should evaluate its applicability to your own IT environment.

## **Description**

We have identified and fixed a vulnerability in FishEye and Crucible that results from the way third-party XML parsers are used in FishEye and Crucible.

This vulnerability allows an attacker to:

- execute denial of service attacks against the FishEye and Crucible server, and
- read all local files readable to the system user under which FishEye and Crucible runs.

An attacker does not need to have an account with the affected FishEye or Crucible server to exploit this vulnerability.

All versions of FishEye and Crucible **up to and including 2.7.11** are affected by this vulnerability. This issue can be tracked here: **FE-4016** - <u>Authenticate</u> to see issue details

#### **Risk Mitigation**

We recommend that you upgrade your FishEye and Crucible installation to fix this vulnerability.

Alternatively, if you are not in a position to upgrade immediately, you should do **all** of the following until you can upgrade. Please note, these measures will only limit the impact of the vulnerability, they will not mitigate it completely.

• Disable access to the Remote, SOAP and XML-RPC APIs, if these remote APIs are not required. Note that remote API access is disabled by default. See <a href="mailto:enabling-plugins">enabling-plugins</a> for instructions.

- Disable public access (such as <u>anonymous access</u> and <u>public signup</u>) to your FishEye or Crucible instance until you have applied the necessary upgrade.
- Ensure that your FishEye/Crucible system user is restricted as described in <u>best practices for configuring</u>
   <u>FishEye security</u>.

#### Fix

#### **Upgrade**

Upgrade to FishEye and Crucible 2.7.12 or later which fixes this vulnerability. For a full description of these releases, see the <u>FishEye</u> and <u>Crucible</u> release notes. The following releases have also been made available to fix these issues in older FishEye and Crucible versions. You can download these versions from the <u>FishEye</u> and <u>Crucible</u> download centres.

- FishEye and Crucible 2.6.8 for FishEye and Crucible 2.6
- FishEye and Crucible 2.5.8 for FishEye and Crucible 2.5

#### **Patches**

There are no patches available for this vulnerability.

# FishEye and Crucible Security Advisory 2012-01-31

This advisory discloses a **CRITICAL** security vulnerability that we have found in versions of FishEye and Crucible from 2.0 up to and including 2.7.8. You need to upgrade your existing FishEye and Crucible installations to fix these vulnerabilities. Enterprise Hosted customers should request an upgrade by raising a support request at <a href="http://support.atlassian.com">http://support.atlassian.com</a> in the "Enterprise Hosting Support" project. Neither FishEye nor Crucible in Studio and Atlassian OnDemand are vulnerable to any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerabilities listed in this advisory have been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

#### In this advisory:

- Code Injection Vulnerability
  - Severity
  - <u>Description</u>
  - Vulnerability
  - Risk Mitigation
  - Fix

#### **Code Injection Vulnerability**

## Severity

Atlassian rates the severity level of this vulnerability as **CRITICAL**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, medium or low.

# **Description**

We have identified and fixed a code injection vulnerability in FishEye and Crucible caused by an underlying vulnerability in the **third-party** Webwork 2 framework. This vulnerability allows an attacker to run arbitrary Java code on a FishEye/Crucible server with user privileges of the FishEye/Crucible process. This vulnerability is a variant of a recently disclosed <u>Struts2 vulnerability</u>. The vulnerability exists in FishEye and Crucible pages

accessible only by users with administrative privileges. It can be exploited with use of social engineering, e.g. by having the administrator click on a specially crafted link.

The maintainer of the original library can be contacted at <a href="http://struts.apache.org/">http://struts.apache.org/</a>

#### Vulnerability

The table below describes the FishEye and Crucible versions and the specific functionality affected by the command injection vulnerability.

FishEye and Crucible Component	Affected FishEye and Crucible Versions	Fixed Version	Issue Tracking
WebWork 2	2.0 - 2.7.8	2.6.7	FE-3891
		2.7.9	

## **Risk Mitigation**

We recommend that you upgrade your FishEye and Crucible installations to fix this vulnerability.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can restrict access to your instance of FishEye/Crucible by using a firewall.

#### Fix

FishEye and Crucible 2.6.7, 2.7.9 and later versions fix this issue. View the issue linked above for information on fix versions. For a full description of the latest version of FishEye and Crucible, see the <u>FishEye</u> and <u>Crucible</u> download centres. There are no patches available for these issues.

# FishEye and Crucible Security Advisory 2011-11-22

This advisory discloses a number of security vulnerabilities that we have found and fixed in versions of FishEye/Crucible earlier than 2.5.7. You need to upgrade your existing FishEye and Crucible installations to fix these vulnerabilities. Enterprise Hosted customers should request an upgrade by raising a support request at <a href="https://support.atlassian.com">https://support.atlassian.com</a> in the "Enterprise Hosting Support" project. Neither JIRA Studio nor Atlassian OnDemand are vulnerable to any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerabilities listed in this advisory have been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

#### In this advisory:

- XSS Vulnerabilities
  - Severity
  - Risk Assessment
  - Vulnerabilities
  - Risk Mitigation
  - Fix
- Permission Verification Vulnerabilities
  - Severity
  - Risk Assessment

- Vulnerability
- Risk Mitigation
- Fix

#### XSS Vulnerabilities

#### Severity

Atlassian rates the severity level of these vulnerabilities as **high**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, medium or low. These vulnerabilities are **not** critical.

#### **Risk Assessment**

We have identified and fixed a number of stored cross-site scripting (XSS) vulnerabilities which affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). XSS vulnerabilities allow an attacker to embed their own JavaScript into a FishEye/Crucible page. You can read more about XSS attacks on Wikipedia, at The Web Application Security Consortium and other places on the web.

#### **Vulnerabilities**

The table below describes the FishEye/Crucible versions and the specific functionality affected by the XSS vulnerabilities.

FishEye/Crucible Feature	Affected FishEye/Crucible Versions	Fixed Version	Issue Tracking
FishEye user profile - display name	2.5.4 and earlier	2.5.5	FE-3797
FishEye user profile - snippets in a user's comment	2.5.4 and earlier	2.5.5	FE-3798

## **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can disable <u>public signup</u> to your instance as a temporary mitigation until you have applied the upgrade. For tighter access control, you can restrict access to trusted <u>groups</u>.

## Fix

FishEye and Crucible 2.5.5 and later versions fix two these issues. View the issues linked above for information on fix versions. You can download the latest versions of FishEye and Crucible from the download centres (<u>FishEye download centre</u>).

There are no patches available to fix these vulnerabilities. You must upgrade your FishEye/Crucible installation.

#### **Permission Verification Vulnerabilities**

# Severity

Atlassian rates the severity level of these vulnerabilities as **medium**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, medium or low. These vulnerabilities are **not** critical.

#### **Risk Assessment**

We have identified and fixed two permission verification bugs which affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). These vulnerabilities allow users to view metadata for changesets and reviews, from repositories/projects that they do not have access to, via tooltips.

#### Vulnerability

The table below describes the FishEye/Crucible versions and the specific functionality affected by the vulnerabilities.

FishEye/Crucible Feature	Affected FishEye/Crucible Versions	Fixed Version	Issue Tracking
FishEye changeset tooltips	FishEye 2.4.6 to 2.5.6	FishEye 2.5.7	FE-3811
Crucible review tooltips	Crucible 2.4.6 to 2.5.6	Crucible 2.5.7	CRUC-5811

#### **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can <u>disable anonymous access</u> to your instance. Logged-in users will still be able to view metadata that they do not have permission to view, but anonymous users will be prevented from accessing this information.

#### Fix

FishEye and Crucible 2.5.7 and later versions fix these two issues. View the issues linked above for information on earlier fix versions for each issue. For a full description of this release, see the <u>FishEye 2.5 changelog</u> and <u>Crucible 2.5 Changelog</u>. You can download the latest version of FishEye and Crucible from the download centres (<u>FishEye download centre</u>, <u>Crucible download centre</u>).

There are no patches available to fix these vulnerabilities. You must upgrade your FishEye/Crucible installation.

# FishEye and Crucible Security Advisory 2011-05-16

This advisory announces a number of security vulnerabilities that we have found and fixed in recent versions of FishEye/Crucible. You need to upgrade your existing FishEye/Crucible installations to fix these vulnerabilities. Enterprise Hosted customers should request an upgrade by filing a ticket at <a href="http://support.atlassian.com">http://support.atlassian.com</a>. JIRA Studio is not vulnerable to any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerabilities listed in this advisory have been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

#### In this advisory:

- XSS Vulnerabilities
  - Severity

- Risk Assessment
- Vulnerability
- Risk Mitigation
- Fix

#### **XSS Vulnerabilities**

#### Severity

Atlassian rates the severity level of these vulnerabilities as **high**, according to the scale published in <u>Severity</u> <u>Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a number of cross-site scripting (XSS) vulnerabilities which may affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). XSS vulnerabilities potentially allow an attacker to embed their own JavaScript into a FishEye/Crucible page. You can read more about XSS attacks at <a href="mailto:cgisecurity.com">cgisecurity.com</a>, <a href="mailto:The Web Application Security Consortium">The Web Application Security Consortium</a> and other places on the web.

#### **Vulnerability**

The table below describes the FishEye/Crucible versions and the specific functionality affected by the XSS vulnerabilities.

FishEye/Crucible Feature	Affected FishEye/Crucible Versions	Issue Tracking
Crucible snippets	Crucible 2.4.5 to 2.5.0	CRUC-5734
Crucible author mapping	Crucible 2.4.5 to 2.5.0	CRUC-5735
Crucible changeset comments in search results	Crucible 2.3.0 to 2.5.0	<u>CRUC-5736</u>
Crucible comments search	Crucible 2.2.6 to 2.5.0	CRUC-5737
FishEye/Crucible dashboard - review activity	FishEye/Crucible 2.2.8 to 2.5.2	FE-3031
FishEye/Crucible reviews list	FishEye/Crucible 2.2.8 to 2.5.2	FE-3032

# **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can disable <u>public signup</u> to your instance until you have applied the upgrade. For even tighter control, you could restrict access to trusted <u>groups</u>.

# Fix

FishEye/Crucible 2.5.4 fixes all of these issues. View the issues linked above for information on earlier fix versions for each issue. For a full description of this release, see the <u>FishEye 2.5 changelog</u> and <u>Crucible 2.5</u>

<u>Changelog</u>. You can download the latest version of FishEye/Crucible from the download centre (<u>FishEye download centre</u>).

There are no patches available to fix these vulnerabilities. You must upgrade your FishEye/Crucible installation.

Our thanks to **Marian Ventuneac** of <a href="http://www.ventuneac.net">http://www.ventuneac.net</a>, who reported <a href="FE-3031">FE-3032</a>. We <a href="fully support the reporting of vulnerabilities">fully support the reporting of vulnerabilities</a> and we appreciate it when people work with us to identify and solve the problem.

# FishEye and Crucible Security Advisory 2011-01-12

This advisory announces a number of security vulnerabilities that we have found and fixed in recent versions of FishEye/Crucible. You need to upgrade your existing FishEye/Crucible installations to fix these vulnerabilities. Enterprise Hosted customers should request an upgrade by filing a ticket at <a href="http://support.atlassian.com">http://support.atlassian.com</a>. JIRA Studio is not vulnerable to any of the issues described in this advisory.

Atlassian is committed to improving product security. The vulnerabilities listed in this advisory have been discovered by Atlassian, unless noted otherwise. The reporter may also have requested that we do not credit them.

If you have questions or concerns regarding this advisory, please raise a support request at <a href="http://support.atlassi.an.com/">http://support.atlassi.an.com/</a>.

#### In this advisory:

- XSS Vulnerabilities
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix
- Administration password logged in debug log
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix
- Review comment search returns comments that a user has no permission to view
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - <u>Fix</u>
- Anonymous global access exposes entire user list
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix

#### **XSS Vulnerabilities**

#### Severity

Atlassian rates the severity level of these vulnerabilities as **high**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a number of cross-site scripting (XSS) vulnerabilities which may affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). XSS vulnerabilities potentially allow an attacker to embed their own JavaScript into a FishEye/Crucible page. You can read more about XSS attacks at <a href="mailto:cgisecurity.com">cgisecurity.com</a>, <a href="mailto:The Web Application Security Consortium">The Web Application Security Consortium</a> and other places on the web.

#### Vulnerability

The table below describes the FishEye/Crucible versions and the specific functionality affected by the XSS vulnerabilities.

FishEye/Crucible Feature	Affected FishEye/Crucible Versions	Issue Tracking
Crucible review – linked JIRA issue	Crucible 2.0.1 – 2.3.7	CRUC-5307
Crucible email reviews	Crucible 2.2.0 – 2.4.0	CRUC-5308
Crucible review reload	Crucible 2.2.0 – 2.4.2	CRUC-5309
Crucible edit review details screen	Crucible 2.2.0 – 2.3.7	CRUC-5345
FishEye repository configuration	FishEye 2.4.0	CRUC-5310
FishEye charts	FishEye 2.2.0 - 2.4.0	CRUC-5311
FishEye/Crucible code macro	FishEye/Crucible 2.2.0 – 2.4.0	CRUC-5312
FishEye/Crucible changeset page heading	FishEye/Crucible 2.3.2 – 2.4.0	<u>CRUC-5313</u>

# **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can disable <u>public signup</u> to your instance until you have applied the upgrade. For even tighter control, you could restrict access to trusted <u>groups</u>.

# Fix

FishEye/Crucible 2.4.4 fixes all of these issues. View the issues linked above for information on earlier fix versions for each issue. For a full description of this release, see the <u>FishEye 2.4 changelog</u> and <u>Crucible 2.4 Changelog</u>. You can download the latest version of FishEye/Crucible from the download centre (<u>FishEye download centre</u>).

There are no patches available to fix these vulnerabilities. You must upgrade your FishEye/Crucible installation.

#### Administration password logged in debug log

## Severity

Atlassian rates the severity level of these vulnerabilities as **high**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a vulnerability in the FishEye/Crucible logging which may affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). This vulnerability allows administrator passwords to be logged in clear text when debug logging is enabled.

#### Vulnerability

This vulnerability affects FishEye and Crucible 2.2.0 to 2.4.0.

#### **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can disable access logging. See <u>Enabling Access Logging in FishEye</u> and <u>Enabling Access Logging in Crucible</u>. You can also apply file restrictions to your log files. Note, this issue only occurs when DEBUG logging is turned on (off by default) when an administrator logs in.

#### Fix

FishEye/Crucible 2.4.2 and later fix this issue. For a full description of this release, see the <u>FishEye 2.4</u> changelog and <u>Crucible 2.4 Changelog</u>. You can download the latest version of FishEye/Crucible from the download centre (<u>FishEye download centre</u>, <u>Crucible download centre</u>).

There are no patches available to fix this vulnerability. You must upgrade your FishEye/Crucible installation.

#### Review comment search returns comments that a user has no permission to view

## Severity

Atlassian rates the severity level of these vulnerabilities as **medium**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank the severity as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a vulnerability in the Crucible review comment search which may affect Crucible instances, including publicly available instances (that is, internet-facing servers). This vulnerability allows review comments to be displayed for projects that are not publicly viewable.

#### **Vulnerability**

This vulnerability affects Crucible 2.2.0 to 2.4.3.

#### **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

# Fix

FishEye/Crucible 2.2.5, 2.3.8 and 2.4.4 fix this issue. For a full description of this release, see the <u>FishEye 2.4 changelog</u> and <u>Crucible 2.4 Changelog</u>. You can download these versions of FishEye/Crucible via the download

centre (FishEye download centre, Crucible download centre).

There are no patches available to fix this vulnerability. You must upgrade your FishEye/Crucible installation.

# Anonymous global access exposes entire user list

#### Severity

Atlassian rates the severity level of these vulnerabilities as **medium**, according to the scale published in Severity Levels for Security Issues. The scale allows us to rank the severity as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a vulnerability in the FishEye/Crucible anonymous global access which may affect FishEye/Crucible instances, including publicly available instances (that is, internet-facing servers). This vulnerability exposes the user list (usernames and emails) of a FishEye/Crucible instance for access when anonymous global access is enabled.

#### **Vulnerability**

This vulnerability affects FishEye and Crucible 2.2.0 to 2.4.3.

# **Risk Mitigation**

We recommend that you upgrade your FishEye/Crucible installation to fix these vulnerabilities.

Alternatively, if you are not in a position to upgrade immediately and you judge it necessary, you can disable global anonymous access. See Configuring Anonymous Access.

# Fix

FishEye/Crucible 2.2.6, 2.3.8 and 2.4.4 fix this issue. For a full description of this release, see the FishEye 2.4 changelog and Crucible 2.4 Changelog. You can download these versions of FishEye/Crucible via the download centre (FishEve download centre, Crucible download centre).

There are no patches available to fix this vulnerability. You must upgrade your FishEye/Crucible installation.

# Crucible Security Advisory 2010-06-16



The 2.3.3 release of Crucible contains some security related fixes, which are part of the shared FishEye architecture. The following information for FishEye applies equally to Crucible.

The Crucible Download Centre has the updates for Crucible.

# In this advisory:

- Remote Code Exploit Vulnerability
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix
- <u>Download Patches for Earlier FishEye / Crucible Versions</u>
  - Patch for FishEye / Crucible 2.3.2
  - Patch for FishEye / Crucible 2.2.3

# **Remote Code Exploit Vulnerability**

#### Severity

Atlassian rates this vulnerability as **critical**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank a vulnerability as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed a remote code exploit vulnerability which affects FishEye and Crucible instances.

#### Vulnerability

This vulnerability allows a motivated attacker to call remote code on the host server.

All versions of FishEye/Crucible up to version 2.3.2 are affected by this vulnerability.

Affected FishEye Versions	Fix Availability	More Details	Severity
All versions up to and including 2.3.2.	2.3.3 update, also available as patches for 2.3.2 and 2.2.3.	This vulnerability allows a motivated attacker to call remote code on the host server.	Critical

This vulnerability has been discovered in XWork by OpenSymphony, a command pattern framework which is used by FishEye and Crucible.

#### About the XWork Framework:

See the <u>OpenSymphony XWork page</u> for more information about XWork.

#### **Risk Mitigation**

We strongly recommend either upgrading or patching your FishEye/Crucible installation to fix this vulnerability. Please see the 'Fix' section below.

#### Fix

These issues have been fixed in FishEye 2.3.3 (see the <u>changelog</u>), which you can download from the <u>download</u> <u>centre</u>.

It has also been fixed in Crucible 2.3.3 (see the changelog), which you can download from the download centre.

Later versions will include protection from this vulnerability.

This fix is also provided as a patch for FishEye/Crucible 2.3.2 and 2.2.3, which you can download from <u>links on this page</u>. Customers on earlier point versions of FishEye/Crucible will have to upgrade to version 2.3.2 or 2.2.3 before applying the patch. Atlassian recommends you upgrade to FishEye/Crucible 2.3.3.

# **Download Patches for Earlier FishEye / Crucible Versions**

These patch releases contain security fixes, which apply to the shared FishEye architecture that is the basis of both FishEye and Crucible.

Please note that these patches are for specific point versions of FishEye (2.3.2 and 2.2.3). If you are running an earlier version than these, you will need to upgrade to a version specifically addressed by one of these patches. Atlassian strongly recommends that you upgrade to FishEye 2.3.3 / Crucible 2.3.3 or later.

MD5 checksums are provided to allow verification of the downloaded files.

# Patch for FishEye / Crucible 2.3.2

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.3.2-pat ch1.zip	2.3.2	16th June, 2010	6fe98db821a6d26f26907 688af2ccd84

### Patch for FishEye / Crucible 2.2.3

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.2.3-pat ch1.zip	2.2.3	16th June, 2010	6fe98db821a6d26f26907 688af2ccd84

Our thanks to Meder Kydyraliev of the Google Security Team who discovered this vulnerability. Atlassian fully supports the reporting of vulnerabilities and appreciates it when people work with Atlassian to identify and solve the problem.

# Crucible Security Advisory 2010-05-04



The 2.2.3 release of Crucible contains some security related fixes, which are part of the shared FishEye architecture. The following information for FishEye applies equally to Crucible.

The Crucible Download Centre has the updates for Crucible.

# In this advisory:

- Admin Escalation Vulnerability
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix
- XSS Vulnerabilities in FishEye
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Eix

- Prevention of Brute Force Attacks
  - Severity
  - Risk Assessment
  - Vulnerability
  - Risk Mitigation
  - Fix
- Changed Behaviour in FishEye
- <u>Download Patches for Earlier FishEye / Crucible Versions</u>
  - Patch for FishEve / Crucible 2.1.4
  - Patch for FishEye / Crucible 2.0.6
  - Patch for FishEye 1.6.6
  - Patch for Crucible 1.6.6

# **Admin Escalation Vulnerability**

## Severity

Atlassian rates this vulnerability as critical, according to the scale published in Severity Levels for Security <u>Issues</u>. The scale allows us to rank a vulnerability as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed an admin escalation vulnerability, which affects FishEye instances. This vulnerability has security implications and is especially important for anyone running publicly accessible instances of FishEye.

## **Vulnerability**

This vulnerability allows a motivated attacker to perform admin actions.

All versions of FishEye from version 1.6.0-beta2 (including 1.6.0) through to 2.2.1 are affected by these admin escalation vulnerabilities.

Affected FishEye Versions	Fix Availability	More Details	Severity
All versions up to and including 2.2.1	2.2.3 update, also available as patches for certain versions, listed on this page.	This vulnerability allows a motivated attacker to perform admin actions.	Critical

#### **Risk Mitigation**

We strongly recommend either upgrading or patching your FishEye installation to fix this vulnerability. Please see the 'Fix' section below.



Note: If you are an Atlassian JIRA Studio customer, we have assessed that your system is secure and implemented additional protections for it.

#### Fix

These issues have been fixed in FishEye 2.2.3 (see the <u>changelog</u>), which you can download from the <u>download</u> <u>centre</u>. Later versions will include protection from this vulnerability.

This fix is also provided as a patch for FishEye 2.1.4, 2.0.6 and 1.6.6, which you can download from this page. Customers on earlier point versions of FishEye will have to upgrade to version 2.1.4, 2.0.6 or 1.6.6 before applying the patch. We recommend you upgrade to FishEye 2.2.3.

## XSS Vulnerabilities in FishEye

#### Severity

Atlassian rates these vulnerabilities as **critical**, according to the scale published in <u>Severity Levels for Security Issues</u>. The scale allows us to rank a vulnerability as critical, high, moderate or low.

#### **Risk Assessment**

We have identified and fixed several cross-site scripting (XSS) vulnerabilities in FishEye, which may affect FishEye instances. These vulnerabilities have security implications and are especially important for anyone running publicly accessible instances of FishEye.

- The attacker might take advantage of the vulnerability to steal other users' session cookies or other credentials, by sending the credentials back to the attacker's own web server.
- The attacker's text and script might be displayed to other people viewing a FishEye page. This is potentially damaging to your company's reputation.

You can read more about XSS attacks at cgisecurity, CERT and other places on the web.

# Vulnerability

All versions of FishEye are affected by these XSS vulnerabilities.

Affected FishEye Versions	Fix Availability	More Details	Severity
All versions up to and including 2.2.1	2.2.3 only	An attacker could take advantage of this vulnerability to steal other users' session cookies or other credentials, or the attacker's text and script might be displayed to other people viewing a FishEye page.	Critical

#### **Risk Mitigation**

We strongly recommend upgrading your FishEye installation to fix these vulnerabilities. Please see the 'Fix' section below.

#### Fix

These issues have been fixed in FishEye 2.2.3 (see the changelog), which you can download from the download

#### centre.

#### **Prevention of Brute Force Attacks**

#### Severity

Atlassian rates this vulnerability as **moderate**, according to the scale published in <u>Severity Levels for Security</u> Issues.

#### **Risk Assessment**

We have improved the security of the following areas in FishEye:

 Prevention of brute force attacks by requiring users to solve a <u>CAPTCHA</u> test after a maximum number of repeated login attempts.

## **Vulnerability**

We have identified and fixed a problem where FishEye allows an unlimited number of repeated login attempts, potentially opening FishEye to a brute force attack. Details of this improvement are summarised below.

Affected FishEye Versions	Fix Availability	More Details	Severity
All versions up to and including 2.2.1	2.2.3 only	FishEye allows an unlimited number of login attempts. This makes FishEye vulnerable to a brute force attack.	Moderate

## **Risk Mitigation**

We recommend that you upgrade your FishEye installation to fix these vulnerabilities. Please see the 'fix' section below.

You can also prevent brute force attacks by following our guidelines on using Fail2Ban to limit login attempts.

#### Fix

This issue has been fixed in FishEye 2.2.3 (see the <u>changelog</u>). Later versions will include protection from this vulnerability. You can download FishEye 2.2.3 from the <u>download centre</u>.

#### Changed Behaviour in FishEye

In order to fix these issues, we have changed FishEye's behaviour as follows:

After three consecutive failed login attempts, FishEye will display a <u>CAPTCHA</u> form asking the user to
enter a given word when attempting to log in again. This will prevent brute force attacks via the login
screen. The number of failed attempts needed to trigger the <u>CAPTCHA</u> testing is configurable. For more
information, see the documentation for <u>Brute force login protection</u>.



In addition, after three consecutive failed login attempts via the FishEye remote API, an error message will be returned. Human intervention will then be required to reset that login account, i.e. solve the <u>CAPTCHA</u> test via the login screen.

# **Download Patches for Earlier FishEye / Crucible Versions**

These patch releases contain security fixes, which apply to the shared FishEye architecture that is the basis of both FishEye and Crucible.

These patches fix the Admin Escalation vulnerability only. Please note that these patches are for specific older point versions of FishEye (2.1.4, 2.0.6 or 1.6.6). If you are running an earlier version than these, you will need to upgrade to a version specifically addressed by one of these patches. To update a more recent version of the product (2.1.5 through 2.2.1), please upgrade to FishEye 2.2.3 or later. Atlassian strongly recommends that you upgrade to FishEye 2.2.3 or later.

MD5 checksums are provided to allow verification of the downloaded files.

#### Patch for FishEye / Crucible 2.1.4

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.1.4-pat ch1.zip	2.1.4	4th May, 2010	6062fa2e1ad937295273 57fb97b0d2ea

# Patch for FishEye / Crucible 2.0.6

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.0.6-pat ch1.zip	2.0.6	4th May, 2010	6aae75e2a5308121887b f9532473cf75

## Patch for FishEye 1.6.6

File	FishEye Version	Release Date	MD5 Checksum
fisheye-1.6.6-patch1.zip	1.6.6	4th May, 2010	210ef3358aff83861733f8 f22d331d7e

## Patch for Crucible 1.6.6

File	Crucible Version	Release Date	MD5 Checksum
crucible-1.6.6-patch1.zip	1.6.6	4th May, 2010	48e8e8ada0ddb3fc8671 459051df1120

📵 To acquire all of the fixes on this page, upgrade to FishEve 2.2.3, which you can download from the downloa d centre.

# Crucible FAQ

#### **Crucible FAQ**

Answers to frequently asked questions about configuring and using Crucible.

- General FAQs
  - Can I deploy Crucible or FishEye as a WAR?
  - Does Crucible support SSL (HTTPS)?
  - How do I force reviews to include SVN property changes?
  - How to Automate Daily Crucible Backups
- Licensing FAQ
  - What happens if I decide to stop using FishEye with Crucible
  - Do I need a FishEve licence to run Crucible?
  - Advantages of Native Repository Access over lightSCM plugins
- Support Policies
  - Bug Fixing Policy
  - How to Report a Security Issue
  - New Features Policy
  - Patch Policy
  - Security Advisory Publishing Policy
  - Security Patch Policy
  - Severity Levels for Security Issues
- Troubleshooting
  - Crucible freezes unexpectedly
  - JIRA Integration Issues
  - Problems with very long comments and MySQL migration
- Increasing the session timeout
- i Most setup issues are likely to be related to the FishEye component of Crucible. Refer to the FishEye documentation:
  - FishEye documentation
  - FishEye FAQs
  - Top Evaluator Questions
    - Can Crucible add support for new repositories?
    - Can I purchase Crucible on it's own?
    - Can I trial Crucible without FishEye?
    - How can I do reviews from the file system?
    - How does Crucible help enforce compliance and auditability?
    - How do I convince my team of the benefits of code review?
    - How do I do pre-commit reviews?
    - How do I raise defects in JIRA?
    - How do I review patch diffs?
    - What user permissions and review security is available?

Do you still have a question, or need help with Crucible? Please create a support request.

# **General FAQs**

#### **Crucible General FAQs**

- <u>Can I deploy Crucible or FishEye as a WAR?</u> Unfortunately FishEye and Crucible cannot be deployed as a WAR.
- Does Crucible support SSL (HTTPS)?
- How do I force reviews to include SVN property changes?
- How to Automate Daily Crucible Backups Configuring Crucible backups is easy.

## Can I deploy Crucible or FishEye as a WAR?

Unfortunately FishEye and Crucible cannot be deployed as a WAR. FishEye has some special needs for performance reasons that are not easily supported on third-party containers. Whilst this is an often requested feature, there are no immediate plans to provide a WAR version of FishEye or FishEye+Crucible. However the upcoming separate edition of Crucible (i.e. without FishEye) may at some stage be available as a WAR.

## Does Crucible support SSL (HTTPS)?

Crucible does not have any built-in support for running over SSL via the HTTPS protocol. However, it is possible to setup a proxy web server to forward requests to Crucible. Please see the page on <u>Integrating with Other Web Servers</u>.

## How do I force reviews to include SVN property changes?

Subversion (SVN) allows users to store arbitrary name/value pairs associated with files and directories, called SVN properties. These properties can be used by users for storing metadata and are also used by Subversion (e.g. for storing where code is branched from)

These name/value pairs can only be changed as part of a changeset / commit in Subversion. As such, you will have changesets with purely changes to SVN properties, or changesets with a mix of textual changes and changes to SVN properties. Crucible 2.6 introduced <u>review creation without metadata</u> to prevent SVN properties from being included in reviews.

This functionality is enabled by default, and affects the following functionality:

- Creating a review The "Create Review" link is disabled in the activity stream, dashboard and changeset page for any changeset where all the file revisions only differ by SVN properties.
- Adding content to a review SVN property-only changesets cannot be added to the review from the 'Add Content' dialog. Changesets with a mix of SVN property changes and textual changes can be added to the review, however only the file revisions with textual changes are added. File revisions with both textual changes and SVN property changes are always added.

  (Note, explicitly adding a particular file revision to a review is still permitted, regardless of whether it is a
  - (Note, explicitly adding a particular file revision to a review is still permitted, regardless of whether it is a textual change or metadata-only change.)

If you want to disable this functionality, you can do so by starting up Crucible with the following system property: -Dcrucible.detect.metadata.revision.changes=false

# **How to Automate Daily Crucible Backups**

Configuring Crucible backups is easy. To set daily Crucible backups, open the administration page, click the '**Ba ckup**' link under '**System**' on the left navigation bar, and simply follow the instructions set out on the <u>Backing up</u> and restoring Crucible data page.

# **Licensing FAQ**

#### **Crucible Licensing FAQ**

- What happens if I decide to stop using FishEye with Crucible Crucible can be run as an
  application alone, without FishEye. However, if you decide to stop using FishEye with Crucible, you will
  lose certain functionality and will need to make configuration changes.
- <u>Do I need a FishEye licence to run Crucible?</u> FishEye and Crucible are separate products. They can be run separately, and they can also be run together.
- Advantages of Native Repository Access over lightSCM plugins

What happens if I decide to stop using FishEye with Crucible
Crucible can be run as an application alone, without
FishEye. However, if you decide to stop using FishEye
with Crucible, you will lose certain functionality and will
need to make configuration changes.

#### On this page:

- How do I run Crucible without FishEye?
- How is Crucible without FishEve different from using Crucible with FishEve?
  - Conducting Reviews
  - Viewing Repositories/Files
  - Charts
- Can I still use lightSCM plugins with Crucible?

#### How do I run Crucible without FishEye?

Have a valid Crucible license but not a FishEye license

To run Crucible without FishEye, you need to have a **valid Crucible license but not a FishEye license**. Crucible will actually use a "light" mode of FishEye when you do not have valid FishEye license. Light FishEye is bundled with Crucible and does not need to be installed separately. For more information on Crucible with light FishEye, see <a href="How is Crucible without FishEye different from using Crucible with FishEye?">How is Crucible without FishEye</a> different from using Crucible with FishEye? below.

Reconnect your repositories

Any repositories that you have currently defined in FishEye will not be visible in Crucible after removing FishEye. You will need to reconnect these repositories, as described in the <u>FishEye documentation</u>. Note, all <u>repositories supported in FishEye</u> are supported in light FishEye.

1 Legacy "lightSCM" plugins, like the <u>Crucible Subversion SCM plugin</u>, will still work. However, the functionality will be limited compared to using Crucible with light FishEye. See the <u>Can I still use lightSCM plugins with Crucible?</u> section below for more information.

#### How is Crucible without FishEye different from using Crucible with FishEye?

The following changes in functionality will occur if you use Crucible without FishEye (i.e. use Crucible with "light" FishEye).

#### **Conducting Reviews**

 When using <u>Iterative Reviews</u> in Crucible, you will not be prompted when a new version of a file is available.

#### Viewing Repositories/Files

Files and changesets displayed in activity streams (e.g. the <u>dashboard activity stream</u>) will not render as

links to the relevant files/changesets.

- You will not be able to see your content roots and repositories associated with projects.
- You will no longer be able to see repository lists and browse repositories using the 'Source' tab.

#### Charts

• You will not be able to view charts or code metrics.

#### Can I still use lightSCM plugins with Crucible?

Legacy "lightSCM" plugins, like the <u>Crucible Subversion SCM plugin</u>, will still work with Crucible. However, we recommend that you use the "light" FishEye implementation that is bundled with Crucible, as it supersedes the lightSCM plugins.

For more information, please read this FAQ: Advantages of Native Repository Access over lightSCM plugins.

## Do I need a FishEye licence to run Crucible?

# FishEye and Crucible are separate products. They can be run separately, and they can also be run together.

We recommend that you run Crucible together with FishEye. If you choose to run Crucible alone without FishEye, you will have access to your repositories via the "light" FishEye implementation bundled with Crucible. However, a number of FishEye's advanced features will not be available to you, including <u>pre-caching repository content</u> (for improved performance), the ability to search and browse through repositories and FishEye's activity graphs.

For more information, please read the following FAQ: What happens if I decide to stop using FishEye with Crucible

# Advantages of Native Repository Access over lightSCM plugins

Prior to Crucible 2.4, running Crucible without FishEye required the use of "lightSCM" plugins (like the <u>Crucible Subversion SCM plugin</u>). From version 2.4, Crucible provides native repository access which supersedes Crucible's bundled lightSCM plugins. Third-party lightSCM plugins are unaffected and will continue to work with Crucible. The bundled plugins will still be available, so your existing configurations will also continue to work unchanged.

If you are currently using any of the bundled lightSCM plugins, we recommend that you migrate to using native repository access for the following reasons:

- Atlassian's lightSCM plugins (not lightSCM itself) are being deprecated, i.e. we will not update any of the bundled lightSCM plugins after the 2.4 release.
- It is easier for us to support and maintain a single implementation of our SCM interfaces, rather than support the standard FishEye access and the lightSCM implementations.
- Native repository access provides full support for SCMs for which there are no current lightSCM plugin implementations, including CVS and Mercurial.
- Native repository access provides additional functionality that is not available in the lightSCM plugins including:
  - Viewable commits in the activity streams (e.g. the <u>dashboard activity stream</u>).
  - Repositories administration via the <u>administration console</u>.
  - Easier review creation due to the ability to search and browse the repository using the full power of FishEye. For example, browsing for a file to add to a new review (see <u>Selecting the Files for the Review</u>).
- Improved performance of native repository access over the lightSCM plugins. The lightSCM plugins retrieve data on demand from the underlying repository, rather than using caches and indexes like

- FishEye and native repository access. Hence, Crucible with native repository access, whilst requiring an initial indexing phase, will be faster than Crucible with lightSCM plugins during day-to-day operations.
- Native repository access allows for migration to a full FishEye license in future, if desired. Your
  repositories can simply be re-indexed for full FishEye functionality and existing reviews will then be
  available on the full repository.

#### To change over from lightSCM plugins to native repository access:

- 1. Disable your lightSCM plugins via the Crucible Administration Console ('Plugins' link under the 'Systems Settings' section in the left menu).
  - ① Do not disable the SCM plugins for connecting to a <u>Confluence instance</u> or a <u>file system</u>. Native repository access does not include functionality to connect these (nor does FishEye alone), hence you will still need to use plugins.
- 2. Add native repositories for any repositories that are currently connected via lightSCM plugins. See the <u>Fis</u> hEve documentation.
- 3. If you are using Subversion or Perforce, we recommend that you set a "start" revision for the changeover, unless you need to review old code. This will eliminate the need for native repository support to index old repository activity, getting you up and running quickly.

# **Support Policies**

Welcome to the support policies index page. Here, you'll find information about how Atlassian Support can help you and how to get in touch with our helpful support engineers. Please choose the relevant page below to find out more.

- Bug Fixing Policy
- How to Report a Security Issue
- New Features Policy
- Patch Policy
- Security Advisory Publishing Policy
- Security Patch Policy
- Severity Levels for Security Issues

To request support from Atlassian, please raise a support issue in our online support system. To do this, visit <u>support.atlassian.com</u>, log in (creating an account if need be) and create an issue under Crucible. Our friendly support engineers will get right back to you with an answer.

# **Bug Fixing Policy**

### **Summary**

- Atlassian Support will help with workarounds and bug reporting.
- Critical bugs will generally be fixed in the next maintenance release.
- Non critical bugs will be scheduled according to a variety of considerations.



## Raising a Bug Report

Atlassian Support is eager and happy to help verify bugs — we take pride in it! Please open a support request in our <u>support system</u> providing as much information as possible about how to replicate the problem you are experiencing. We will replicate the bug to verify, then lodge the report for you. We'll also try to construct workarounds if they're possible.

Customers and plugin developers are also welcome to open bug reports on our issue tracking systems directly. Use <a href="http://jira.atlassian.com">http://jira.atlassian.com</a> for the stand-alone products and <a href="http://studio.atlassian.com">http://studio.atlassian.com</a> for JIRA Studio and

Atlassian OnDemand.

When raising a new bug, you should rate the priority of a bug according to our <u>JIRA usage guidelines</u>. Customers <u>should watch</u> a filed bug in order to receive e-mail notification when a "Fix Version" is scheduled for release.

### **How Atlassian Approaches Bug Fixing**

Maintenance (bug fix) releases come out more frequently than major releases and attempt to target the most critical bugs affecting our customers. The notation for a maintenance release is the final number in the version (ie the 1 in 3.0.1).

If a bug is critical (production application down or major malfunction causing business revenue loss or high numbers of staff unable to perform their normal functions) then it will be fixed in the next maintenance release provided that:

- The fix is technically feasible (i.e. it doesn't require a major architectural change).
- It does not impact the quality or integrity of a product.

For non-critical bugs, the developer assigned to fixing bugs prioritises the non-critical bug according to these factors:

- How many of our supported configurations are affected by the problem.
- Whether there is an effective workaround or patch.
- · How difficult the issue is to fix.
- Whether many bugs in one area can be fixed at one time.

The developers responsible for bug fixing also monitor comments on existing bugs and new bugs submitted in JIRA, so you can provide feedback in this way. We give high priority consideration to <u>security issues</u>.

When considering the priority of a non-critical bug we try to determine a 'value' score for a bug which takes into account the severity of the bug from the customer's perspective, how prevalent the bug is and whether roadmap features may render the bug obsolete. We combine this with a complexity score (i.e. how difficult the bug is). These two dimensions are used when developers self serve from the bug pile.

#### **Further reading**

See <u>Atlassian Support Offerings</u> for more support-related information.

# How to Report a Security Issue

#### Finding and Reporting a Security Vulnerability

If you find a security bug in the product, please open an issue on <a href="http://jira.atlassian.com">http://jira.atlassian.com</a> in the relevant project.

- Set the priority of the bug to 'Blocker'.
- Provide as much information on reproducing the bug as possible.
- Set the security level of the bug to 'Developer and Reporters only'.

All communication about the vulnerability should be performed through JIRA, so that Atlassian can keep track of the issue and get a patch out as soon as possible.

If you discover a security vulnerability, please attempt to create a test case that proves this vulnerability locally before opening either a bug or a support issue. When creating an issue, please include information on how the vulnerability can be reproduced; see our <a href="Bug Fixing Policy">Bug Fixing Policy</a> for general bug reporting guidelines. We will prioritise fixing the reported vulnerability if your report has information on how the vulnerability can be exploited.

#### **Further reading**

See Atlassian Support Offerings for more support-related information.

## **New Features Policy**

#### Summary

- We encourage and display customer comments and votes openly in our issue tracking system, <a href="http://jira.a">http://jira.a</a> tlassian.com.
- We do not publish roadmaps.
- Product Managers review our most popular voted issues on a regular basis.
- · We schedule features based on a variety of factors.
- Our Atlassian Bug Fixing Policy is distinct from our Feature Request process.
- Atlassian provides consistent updates on the top 20 feature/improvement requests (in our issue tracker systems).

#### How to Track what Features are Being Implemented

When a new feature or improvement is scheduled, the 'fix-for' version will be indicated in the JIRA issue. This happens for the upcoming release only. We maintain roadmaps for more distant releases internally, but because these roadmaps are often pre-empted by changing customer demands, we do not publish them.

#### **How Atlassian Chooses What to Implement**

In every <u>major release</u> we *aim* to implement highly requested features, but it is not the only determining factor. Other factors include:

- Direct feedback from face to face meetings with customers, and through our support and sales channels.
- Availability of staff to implement features.
- Impact of the proposed changes on the application and its underlying architecture.
- How **well defined** the requested feature is (some issues gain in popularity rapidly, allowing little time to plan their implementation).
- Our long-term **strategic vision** for the product.

#### **How to Contribute to Feature Development**

#### Influencing Atlassian's release cycle

We encourage our customers to vote on feature requests in JIRA. The current tally of votes is available online in our issue tracking system, <a href="http://jira.atlassian.com">http://jira.atlassian.com</a>. Find out if your improvement request <a href="already exists">already exists</a>. If it does, please vote for it. If you do not find it, <a href="create a new feature or improvement request">create a new feature or improvement request</a> online.

#### **Extending Atlassian Products**

Atlassian products have powerful and flexible extension APIs. If you would like to see a particular feature implemented, it may be possible to develop the feature as a plugin. Documentation regarding the <u>plugin APIs</u> is available. Advice on extending either product may be available on the user mailing-lists, or at <u>Atlassian Answers</u>.

If you require significant customisations, you may wish to get in touch with our <u>partners</u>. They specialise in extending Atlassian products and can do this work for you. If you are interested, please <u>contact us</u>.

#### Further reading

See <u>Atlassian Support Offerings</u> for more support-related information.

# **Patch Policy**

#### **Patch Policy**

Atlassian will only provide software patches in extremely unusual circumstances. If a problem has been fixed in

a newer release of the product, Atlassian will request that you upgrade your instance to fix the issue. If it is deemed necessary to provide a patch, a patch will be provided for the current release and the last maintenance release of the last major version only.

Patches are issued under the following conditions:

- The bug is critical (production application down or major malfunction causing business revenue loss or high numbers of staff unable to perform their normal functions).
- A patch is technically feasible (i.e., it doesn't require a major architectural change)
   OR
- The issue is a security issue, and falls under our Security Patch Policy.

Atlassian does not provide patches for non-critical bugs.

Provided that a patch does not impact the quality or integrity of a product, Atlassian will ensure that patches supplied to customers are added to the next maintenance release. Customers <u>should watch</u> a filed bug in order to receive e-mail notification when a "Fix Version" is scheduled for release.

Patches are generally attached to the relevant <a href="http://jira.atlassian.com">http://jira.atlassian.com</a> issue.

#### **Further reading**

See Atlassian Support Offerings for more support-related information.

## **Security Advisory Publishing Policy**

### **Publication of Security Advisories**

When a security vulnerability in an Atlassian product is discovered and resolved, Atlassian will inform customers through the following mechanisms:

- We will post a security advisory in the latest documentation of the affected product at the same time as releasing a fix for the vulnerability. This applies to all security advisories, including severity levels of critical, high, medium and low.
- We will send a copy of all security advisories to the 'Technical Alerts' mailing list for the product concerned.
  - *Note:* To manage your email subscriptions and ensure you are on this list, please go to <u>my.atlassian.com</u> and click 'Communications Centre' near the top right of the page.
- If the person who reported the vulnerability wants to publish an advisory through some other agency, such as <u>CERT</u>, we will assist in the production of that advisory and link to it from our own.

Early warning of critical security vulnerabilities:

- If the vulnerability is rated critical (see our criteria for setting <u>severity levels</u>) we may send an early
  warning to the 'Technical Alerts' mailing list approximately one week before releasing the fix. This early
  warning is in addition to the security advisory itself, described above.
- However, if the vulnerability is publicly known or being exploited, we will release the security advisory and patches as soon as possible, potentially without early warning.

## Further reading

See <u>Atlassian Support Offerings</u> for more support-related information.

# **Security Patch Policy**

#### **Product Security Patch Policy**

Atlassian makes it a priority to ensure that customers' systems cannot be compromised by exploiting vulnerabilities in Atlassian products.

#### Scope

This page describes when and how we release security patches and security upgrades for our products. It does not describe the whole of disclosure process that we follow. It also excludes JIRA Studio, since JIRA Studio will always be patched by Atlassian without additional notifications.

#### Critical vulnerabilities

When a **Critical** security vulnerability is discovered by Atlassian or reported by a third party, Atlassian will do all of the following:

- Issue a new, fixed release for the current version of the affected product as soon as possible, usually in a few days.
- Issue a binary patch for the current release.
- Issue a binary patch for the latest maintenance release of the previous version of the product.
- Patches for older versions or releases normally will not be issued.

Patches will be attached to the relevant JIRA issue. You can use these patches as a "stop-gap" measure until you upgrade your installation in order to fully fix the vulnerability.

#### Non-critical vulnerabilities

When a security issue of a **High, Medium or Low** severity is discovered, Atlassian will do all of the following:

- Include the fix into the next scheduled release, both for the current and previous maintenance versions.
- Where practical, provide new versions of plugins or other components of the product that can be upgraded independently.

You should upgrade your installation in order to fix the vulnerability.

#### Other information

Severity level of vulnerabilities is calculated based on Severity Levels for Security Issues.

Visit our general Atlassian Patch Policy as well.

#### **Examples**

**Example 1:** A critical severity vulnerability is found in a (hypothetical current release) JIRA 5.3.2. The last bugfix release in 5.2.x branch was 5.2.3. In this case, a patch will be created for 5.3.2 and 5.2.3. In addition, new bugfix releases, 5.3.3 and 5.2.4, which are free from this vulnerability, will be created in a few days.

**Example 2:** A high or medium severity vulnerability is found in the same release as in the previous example. The fix will be included into the currently scheduled releases 5.3.3 and 5.2.4. Release schedule will not be brought forward and no patches will be issued. If the vulnerability is in a plugin module, then a plugin upgrade package may still be supplied.

#### **Further reading**

See Atlassian Support Offerings for more support-related information.

# **Severity Levels for Security Issues**

#### **Severity Levels**

Atlassian security advisories include a severity level. This severity level is based on our self-calculated CVSS score for each specific vulnerability. CVSS is an industry standard vulnerability metric. You can learn more about CVSS at <a href="FIRST.org">FIRST.org</a> web site.

CVSS scores are mapped into the following severity ratings:

- Critical
- High
- Medium
- Low

An approximate mapping guideline is as follows:

CVSS score range	Severity in advisory
0 – 2.9	Low
3 – 5.9	Medium
6.0 – 7.9	High
8.0 – 10.0	Critical

Below is a summary of the factors which illustrate types of vulnerabilities usually resulting in a specific severity level. Please keep in mind that this rating does not take into account details of your installation.

#### Severity Level: Critical

Vulnerabilities that score in the critical range usually have most of the following characteristics:

- Exploitation of the vulnerability results in root-level compromise of servers or infrastructure devices.
- The information required in order to exploit the vulnerability, such as example code, is widely available to attackers.
- Exploitation is usually straightforward, in the sense that the attacker does not need any special authentication credentials or knowledge about individual victims, and does not need to persuade a target user, for example via social engineering, into performing any special functions.

For critical vulnerabilities, is advised that you patch or upgrade as soon as possible, unless you have other mitigating measures in place. For example, if your installation is not accessible from the Internet, this may be a mitigating factor.

#### Severity Level: High

Vulnerabilities that score in the high range usually have some of the following characteristics:

- The vulnerability is difficult to exploit.
- Exploitation does not result in elevated privileges.
- Exploitation does not result in a significant data loss.

#### Severity Level: Medium

Vulnerabilities that score in the medium range usually have some of the following characteristics:

- Denial of service vulnerabilities that are difficult to set up.
- Exploits that require an attacker to reside on the same local network as the victim.
- Vulnerabilities that affect only nonstandard configurations or obscure applications.
- Vulnerabilities that require the attacker to manipulate individual victims via social engineering tactics.
- Vulnerabilities where exploitation provides only very limited access.

#### Severity Level: Low

Vulnerabilities in the low range typically have very little impact on an organisation's business. Exploitation of

such vulnerabilities usually requires local or physical system access.

#### **Further reading**

See <u>Atlassian Support Offerings</u> for more support-related information.

# **Troubleshooting**

#### **Crucible Troubleshooting**

- Crucible freezes unexpectedly
- JIRA Integration Issues
- Problems with very long comments and MySQL migration Affects Version

#### **Crucible Troubleshooting**

The most common cause of FishEye/Crucible issues is an incorrect <u>symbolic setup</u> (trunk/branch/tag) for Subversion repositories. If you are using Subversion and your initial index is taking forever, double-check that your symbolic setup matches your repository.

FishEye runs with the default Java heap of 64 megabytes. This is sometimes problematic for FishEye, especially for Subversion repositories during the initial scan. You can give FishEye's JVM more memory by setting the FISHEYE\_OPTS environment variable.

Starting Crucible with the <u>command line options</u> --debug --debug-perf will print a lot of information to Crucible's logs. This can give you an insight into what is happening and possibly where you are stuck. Attach these logs along with your config.xml to an Atlassian support ticket, to speed up your <u>support request</u>.

## Crucible freezes unexpectedly

## **Issue Symptoms**

If your Crucible 2.0 or 2.0.1 instance freezes unexpectedly, this could be caused by a known issue with Crucible and MySQL database technology.

This issue manifests itself in some Crucible pages returning a server timeout error. To identify the issue, check the Crucible error log. For this issue, the following output will appear in the error log:

```
2009-07-15 15:34:45,555 ERROR [btpool0-519] fisheye.app
HibernateUtil-commitTransaction - Commit fail msg-0:Could not execute
JDBC batch update
2009-07-15 15:34:45,556 ERROR [btpool0-519] fisheye.app
HibernateUtil-commitTransaction - Commit fail msg-1:Lock wait timeout
exceeded; try restarting transaction
2009-07-15 15:34:45,557 ERROR [btpool0-519] fisheye.app
HibernateUtil-commitTransaction - Commit failed rolling back.
Caused by: java.sql.BatchUpdateException: Lock wait timeout exceeded;
try restarting transaction
 at
com.mysql.jdbc.ServerPreparedStatement.executeBatch(ServerPreparedStatem
ent.java:647)
 at
com.mchange.v2.c3p0.impl.NewProxyPreparedStatement.executeBatch(NewProxy
PreparedStatement.java:1723)
org.hibernate.jdbc.BatchingBatcher.doExecuteBatch(BatchingBatcher.java:4
8)
org.hibernate.jdbc.AbstractBatcher.executeBatch(AbstractBatcher.java:246
 ... 163 more
```

The Crucible error log can be found under FISHEYE\_INST/var/log/fisheye-error.log.YYYY-MM-DD.

See the JIRA issue for more information.

#### Workaround

Until the issue is solved, the suggested course of action is to restart your Crucible instance. This will return Crucible to normal operation.

The Crucible development team is actively working on a solution and this be part of an upcoming point release of Crucible.

#### **Requesting Support**

If you require assistance in resolving the problem, please raise a support request under the Crucible project.

# **JIRA Integration Issues**

Users are mapped to their own accounts when using <u>Trusted Applications</u>.

If you (or the general account used for JIRA access, if not using Trusted Applications) do not have the permissions to carry out the JIRA actions linked from Crucible, an error will occur. Depending on the error returned from JIRA, Crucible may not display the error correctly or display it at all, simply reporting that "An error has occurred". To investigate what the error was, you can access the Crucible debug log, named fisheye-debug.log. YYYY-MM-DD under the dist.inst/var/log folder of your Crucible installation. In the debug log, look for the date and time when your error took place. Here, you will be able to follow the links and see what error the JIRA instance was producing by clicking through to JIRA.

If you are using JIRA 4.0 you will not be able to create subtasks in versions of Crucible prior to 2.0.5. If you are affected by this bug, please upgrade to at least 2.0.6 (2.0.5 is affected by another bug <u>CRUC-2471</u>).

## Problems with very long comments and MySQL migration

#### **Affects Version**

This issue was introduced in Crucible 2.0 and fixed in Crucible 2.1.

#### **Issue Symptoms**

There is a known issue with Crucible 2.0.x and very long comments when migrating your database to MySQL. In some circumstances, this might result in truncation of very long comments, causing data loss.

Depending on your MySQL configuration, you may see an error message like this while migrating to MySQL, causing the migration to fail:

```
2009-07-16 16:56:12,390 ERROR [ThreadPool1] fisheye.app com.cenqua.crucible.actions.admin.database.DBEditHelper-doGet - Database migration failed: java.sql.BatchUpdateException: Data truncation: Data too long for column 'cru_message' at row 1 java.sql.BatchUpdateException: Data truncation: Data too long for column 'cru_message' at row 1
```

1 You may not see the message if you are running MySQL with default settings.

For more information, see the <u>JIRA issue</u>.

## Workaround

If your data contains very long comments or review descriptions (longer than 21,845 multibyte unicode characters), consider avoiding use of MySQL until you can upgrade the product. Alternatively, use PostgreSQL or the default (built-in) HSQLDB database.

This issue is now resolved. This issue was introduced in Crucible 2.0 and fixed in Crucible 2.1.

#### **Requesting Support**

If you require assistance in resolving the problem, please raise a support request under the Crucible project.

# Increasing the session timeout

Crucible comes with remember me functionality, i.e. so long as user hasn't logged out the computer will remember the user. So technically a user should not be logged out, unless the user has disabled the saving of cookies in their browser settings.

If the user has disabled cookies, and does not want to enable the saving of cookies, then, you can add:

```
<session-config>
  <session-timeout>120</session-timeout>
</session-config>
```

in your WEB-INF/web.xml file (see <u>Jetty Documentation</u>), which will increase the session timeout value to two hours.

## **Crucible Resources**

#### **Resources for Evaluators**

- Free Trial
- Feature Tour

#### **Resources for Administrators**

- Crucible Knowledge Base
- Crucible FAQ
- Tips of the Trade
- Guide to Installing an Atlassian Integrated Suite
- The big list of Atlassian gadgets

#### **Downloadable Documentation**

Crucible documentation in PDF, HTML or XML formats

#### **Plugins**

- Crucible Developer Documentation
- Atlassian Plugin Exchange

#### **Support**

- Atlassian Support
- Support Policies

#### **Forums**

- Crucible Forum
- Crucible Developers Forum

#### **Mailing Lists**

Visit <a href="http://my.atlassian.com">http://my.atlassian.com</a> to sign up for mailing lists relating to Atlassian products, such as technical alerts, product announcements and developer updates.

## **Feature Requests**

• Issue Tracker and Feature Requests for Crucible

# **Glossary**

Code review terminology can be confusing as there are many different words for the concepts, roles and process. Crucible has adopted the following terms (click for definitions):

<u>approve</u>

authors in Crucible

code review

comment

creator

defect

moderator

participant

permission scheme

permissions in Crucible

projects in Crucible

review duration

reviewer

role

state

statement of objective

users in Crucible

## approve

<u>Issuing a review to the reviewers</u> is known as *approving* the review.

# authors in Crucible

The *author* is the person primarily responsible for acting on the outcomes of the review. In the vast majority of cases the author will be the person who made the code change under review. Note: to map your repository username to your FishEye/Crucible username, see <u>Changing your User Profile</u>.

## code review

Without prejudice to 'code inspection', 'peer review' or a myriad of other terms, Crucible uses the phrase *code review* for simplicity.

See Getting Started.

#### comment

A comment is a short textual note that is linked to a review, revision/diff, source line, or to another comment.

See Adding Comments.

#### creator

The *creator* is the person who <u>creates the review</u>. In most cases this person will also act as <u>moderator</u>.

## defect

A *defect* is a comment flagged as something that requires addressing and includes optional defect classifications.

See Flagging Defects and Customising the defect classifications.

## moderator

The *moderator* is the person responsible for <u>creating</u> the review, <u>approving</u> the review, determining when reviewing is finished, <u>summarising</u> the outcomes and <u>closing</u> the review. By default, the moderator is the <u>creator</u>. See also <u>author</u>, the person whose changes to the code are to be reviewed. participant

Crucible uses the terms creator, author, moderator, and reviewer to describe the roles of review participants.

# permission scheme

A *permission scheme* assigns particular <u>permissions</u> to any or all of the following:

- Particular Users.
- Particular <u>Groups</u>.
- All logged-in users.
- Anonymous Users
- People in particular <u>Review Roles</u>, such as:
  - Author
  - reviewer
  - creator
  - moderator

The scheme's permissions will apply to all reviews belonging to the <u>project(s)</u> with which the scheme is associated.

You can create as many permission schemes as you wish. Each permission scheme can be associated with many projects or just one project, allowing you to tailor appropriate permissions for individual projects as required.

See Creating a permission scheme.

# permissions in Crucible

A *permission* is the ability to perform a particular action in Crucible, e.g. 'Create Review'. Permissions are assigned to particular users, groups or <u>review roles</u> by means of <u>permission schemes</u>.

The following permissions are available:

Permission	Description	Default Assignees
Edit	Ability to edit a review's details and change the <u>set of revisions</u> being reviewed.	<u>Creator</u> <u>Moderator</u>

View	Ability to view a review. (People without this permission will not know that the review exists.)	Anonymous users All logged-in users Creator Author Reviewer Moderator
Abandon	Ability to abandon (i.e. cancel) a review.	Moderator Creator
Re-Open	Ability to re-open a closed or abandoned review.	<u>Creator</u> <u>Moderator</u>
Uncomplete	Ability of a reviewer to change their individual review status from Complete to Uncomplete.	Reviewer
Reject	Ability to reject a review submitted for approval (i.e. prevent it from being issued to reviewers).	Moderator
Complete	Ability of a reviewer to change their individual review status to Complete.	Reviewer
Comment	Ability to add or remove a comment to or from a review.	Creator Author Reviewer Moderator
Approve	Ability to approve a review (i.e. issue it to the reviewers).	Moderator
Submit	Ability to submit a review for approval (i.e. request that the review be issued to the reviewers).	<u>Creator</u> <u>Author</u>
Close	Ability to close a review once it has been summarised.	Moderator
Delete	Ability to delete a review.	Creator Moderator
Summarise	Ability to summarise a review. (Normally this would be done after all reviewers have completed their review.)	Moderator
Create	Ability to create a review.	All logged-in users
Recover	Ability to resurrect an abandoned (i.e. cancelled) review.	<u>Creator</u> <u>Moderator</u>

# projects in Crucible

A Crucible *project* is a collection of <u>reviews</u>, typically reviews that all relate to the same application. In addition to providing a logical way of grouping reviews together, a project allows you to

- define default moderators, authors and reviewers for the reviews in that project.
- define which people are eligible to be <u>reviewers</u> for the reviews in that project.
- use <u>permission schemes</u> to restrict who can perform particular actions (e.g. 'Create Review') in that project.

Every Crucible review belongs to a project. Each project has a *name* (e.g. **ACME Development**) and a *key* (e.g. **ACME**). The project key becomes the first part of that project's *review keys*, e.g. **ACME-101**, **ACME-102**, etc:

By default, Crucible contains one project. This default project has the key 'CR' and the name 'Default Project'.

See Creating a Project.

## review duration

The review duration is the period of time for which a review will run.

See Setting the Default Review Duration for a Project.

## reviewer

A reviewer is a person assigned to review the change. Reviewers can make comments and indicate when they have completed their review. The moderator and author are implicitly considered to be participants of the review, but are not reviewers.

See participant.

## state

A Crucible review moves through the following states in the following sequence:

Draft	See Creating a Review.
Require Approval	Relevant only when the <u>moderator</u> is not the <u>creator</u> . See <u>Issuing a Review</u> .
Under Review	See <u>Issuing a Review</u> and <u>Reviewing the Code</u> .
Summarize	See Summarising and Closing the Review.
Closed	See Summarising and Closing the Review.

1 Reviews can be re-opened, i.e. moved from Summarize or Closed back to Under Review.

A review may also be in the following states:

Abandoned	This happens when a review is deleted.
Rejected	Any reviews that a moderator has rejected.

# statement of objective

A *statement of objective* is an optional text description of the review and any specific areas the <u>reviewers</u> should focus on.

## users in Crucible

# A *user* is a person using Crucible. Contributing to the Crucible Documentation

Would you like to share your Crucible hints, tips and techniques with us and with other Crucible users? We welcome your contributions.

#### On this page:

- Blogging your Technical Tips and Guides Tips of the Trade
- Contributing Documentation in Other Languages
- Updating the Documentation Itself
  - Getting Permission to Update the Documentation
  - Our Style Guide
  - How we Manage Community Updates

# Blogging your Technical Tips and Guides - Tips of the Trade

Have you written a blog post describing a specific configuration of Crucible or a neat trick that you have discovered? Let us know, and we will link to your blog from our documentation. <u>More...</u>.

# **Contributing Documentation in Other Languages**

Have you written a guide to Crucible in a language other than English, or translated one of our guides? Let us know, and we will link to your guide from our documentation. More....

# **Updating the Documentation Itself**

Have you found a mistake in the documentation, or do you have a small addition that would be so easy to add yourself rather than asking us to do it? You can update the documentation page directly

## **Getting Permission to Update the Documentation**

Please submit the Atlassian Contributor License Agreement.

#### **Our Style Guide**

Please read our short guidelines for authors.

#### **How we Manage Community Updates**

Here is a quick guide to how we manage community contributions to our documentation and the copyright that applies to the documentation:

- Monitoring by technical writers. The Atlassian technical writers monitor the updates to the documentation spaces, using RSS feeds and watching the spaces. If someone makes an update that needs some attention from us, we will make the necessary changes.
- Wiki permissions. We use wiki permissions to determine who can edit the documentation spaces. We ask people to sign the Atlassian Contributor License Agreement (ACLA) and submit it to us. That allows us to verify that the applicant is a real person. Then we give them permission to update the documentation.
- Copyright. The Atlassian documentation is published under a Creative Commons CC BY license. Specifically, we use a Creative Commons Attribution 2.5 Australia License. This means that anyone can copy, distribute and adapt our documentation provided they acknowledge the source of the documentation. The CC BY license is shown in the footer of every page, so that anyone who contributes to our documentation knows that their contribution falls under the same copyright.

#### **RELATED TOPICS**

Tips of the Trade **Author Guidelines** Atlassian Contributor License Agreement

# Tips of the Trade

Below are some links to external blog posts and articles containing technical tips and instructions on setting up and using Crucible. This page presents an opportunity for customers and community authors to share information and experiences.

The references here are specific to Crucible and are technical 'how to' guides written by bloggers who use Crucible. For more general information on code review solutions, best practices and business cases, please refer to the Atlassian website.



Please be aware that these are external blogs and articles.

Most of the links point to external sites, and some of the information is relevant to a specific release of Crucible. Atlassian provides these links because the information is useful and relevant at the time it was written. Please check carefully whether the information is still relevant when you read it, and whether it is relevant to your version of Crucible. Unless explicitly stated, Atlassian does not offer support for third-party extensions or plugins. The information in the linked blog posts has not been tested or reviewed by Atlassian. We recommend that you test all solutions on a test server before trying them on your production site.

#### On this page:

Running Atlassian Crucible (or Fisheye) on Linux Startup

#### Administration

#### Running Atlassian Crucible (or Fisheye) on Linux Startup

- By: Jarrod, on blog 'The stupid people made me do it!'
- About: How to get Crucible to start automatically when the server boots, via an initialisation script that runs on RedHat-like Linux boxes
- Date and Crucible version: 9 March 2009; Crucible 1.6
- Related documentation: Running Crucible as a Windows service

Have you written a technical tip for Crucible?

Add a comment to this page, linking to your blog post or article. We will include it if the content fits the requirements of this page.

☑ Feedback?

Your first port of call should be the author of the linked blog post. If you want to let us know how useful (or otherwise) a linked post is, please add a comment to this page.

#### Other Sources of Information

Crucible documentation Atlassian website Atlassian forums Atlassian Blog Crucible plugins

# **Crucible Documentation in Other Languages**

Below are some links to Crucible documentation written in other languages. In some cases, the documentation may be a translation of the English documentation. In other cases, the documentation is an alternative guide written from scratch in another language. This page presents an opportunity for customers and community authors to share documentation that they have written in other languages.



Please be aware that these are external guides.

Most of the links point to external sites, and some of the information is relevant to a specific release of Crucible. Atlassian provides these links because the information is useful and relevant at the time it was written. Please check carefully whether the information is still relevant when you read it, and whether it is relevant to your version of Crucible. The information in the linked guides has not been tested or reviewed by Atlassian.

#### On this page:

No guides yet

None

No guides yet

We do not yet have any guides to link here. Be the first to suggest one!

## Adding Your Own Guide to this Page

Have you written a guide for Crucible in another language? Add a comment to this page, linking to your guide. We will include it if the content fits the requirements of this page.

#### Giving Feedback about One of the Guides

If you have feedback on one of the guides listed above, please give the feedback to the author of the linked guide.

If you want to let us know how useful (or otherwise) one of these guides is, please add a comment to this page.

## **Other Sources of Information**

Crucible documentation
Atlassian website
Atlassian blog
Crucible plugins