



User documentation for Crucible 3.4

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Getting Started

Atlassian Crucible is the on-premises code review solution for enterprise teams. It allows your development teams to catch major defects, improve code architecture, or discuss desired improvements, without the need for meetings.

This section describes how to install, set up and get started with Crucible.

Related pages:

- [Using Crucible](#)
- [Administering Crucible](#)
- [Crucible FAQ](#)
- [Crucible upgrade guide](#)

System requirements

- Crucible is a Java web application, that works with all modern browsers. See our [Supported platforms](#) page to find out about system requirements.

Download and install Crucible

- [Windows](#)
- [Mac](#)
- [Linux](#)

Work with projects

Crucible integrates with Subversion, Git, Mercurial, CVS and Perforce. Find out how to [connect to repositories, set up projects and create reviews](#).

Integrate Crucible with other Atlassian applications

As a first step, see [JIRA integration in Crucible](#).



Read more about using Crucible




















You are looking at the Crucible documentation. Browse using the tree in the panel on the left, or use the search at the top right.
























Supported platforms

This page lists the supported platforms for **Crucible 3.4.x** and its minor releases.

Key:  = Supported  = Not Supported

Java Version		
Oracle JRE / JDK	 1.6  1.7	<p>Crucible requires the Java Runtime (JDK or JRE), version as noted. Pre-release/Early access versions of the Java Runtime are <i>not supported</i>.</p> <p>You can download an Oracle Java Runtime for Windows/Linux/Solaris. On Mac OS X, the JDK is bundled with the operating system.</p> <p>For the OpenJDK, download and install instructions for Linux flavours are at http://openjdk.java.net/install/.</p> <p>We highly recommend that you use the Oracle</p>

OpenJDK	 1.7 (Linux only)	<p>JVM or OpenJDK (for Linux only), or use the default Mac OS X JVM. Other implementations have not been tested.</p> <p>Please note:</p> <ul style="list-style-type: none"> Once you have installed the JDK, you need to set the JAVA_HOME environment variable. See Installing Crucible on Windows or Installing Crucible on Linux and Mac for details. If you are using a 64-bit JVM, please ensure that you've set your max heap size (<code>--Xmx</code>) to a reasonable value, considering the RAM requirements of your system.
Operating Systems		
Microsoft Windows		<ul style="list-style-type: none"> Crucible is a pure Java application and should run on any platform provided the requirements for the JRE or JDK are satisfied.  Although Crucible can be run in virtualised environments, Atlassian is not yet able to provide technical support for performance-related problems in a virtualised environment. If you do choose to run Crucible in a VM, please ensure that you choose a VM with good IO throughput.  On OS X Java 7 performs significantly better than Java 6
Linux		
Apple Mac OS X		
Databases		
MySQL	 MySQL Enterprise Server 5.1+  MySQL Community Server 5.1+  MySQL 5.0	<p>Crucible supports a number of external databases, as listed. See the Crucible Database documentation for further details.</p> <p> For MySQL:</p> <ul style="list-style-type: none"> For 5.1, version must be 5.1.10 or later For 5.6, version must be 5.6.11 or later Crucible 3.3+ no longer supports MySQL 5.0. See End of Support Announcements for Crucible. <p> For PostgreSQL:</p> <p>Crucible 3.3+ no longer supports PostgreSQL 8.2. See End of Support Announcements for Crucible.</p> <p> For SQL Server:</p> <p>Crucible 3.3+ no longer supports SQL Server 2005. See End of Support Announcements for Crucible.</p>
PostgreSQL	 8.3, 8.4  9.0, 9.1, 9.2, 9.3  8.2	
Oracle	 11g	
SQL Server	 2008, 2008 R2, 2012  2005	
HSQLDB	 Bundled; for evaluation use only	
		<p>The Crucible built-in database, running HSQLDB, is somewhat susceptible to data loss during system crashes.</p> <p>We recommend that you do not use HSQLDB for production systems.</p> <p>External databases are generally more resistant to data loss during a system crash and are more suited for production use.</p>

Web Browsers		
Microsoft Internet Explorer	 9.0, 10.0, 11.0  8.0	Minimum screen resolution of 1024x768. Recommended screen resolution of 1280x768 or above.  Crucible 3.3+ no longer supports Internet Explorer 8. See End of Support Announcements for Crucible .
Mozilla Firefox	 Latest stable version supported  3.6, 4.0	
Safari	 Latest stable version supported  4, 5	
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, 1.8 Client:  SVNKit (bundled & the default)  Native JavaHL 1.8  Native JavaHL 1.7  Native JavaHL 1.6	 FishEye 3.1, and later, do not support the native JavaHL 1.6 client. See Native support for SVN for discussion.
CVS (and CVSNT)	 All versions	
Perforce (P4)	 Client version 2007.3 or later  Server version 2005.1 or later	The Server must support the ztag tagged protocol.
Git	 1.7.1.1 or later	
Mercurial (Hg)	 1.5.1, 1.5.4, 1.6.4, 1.7.5, 1.8.4, 1.9.3  2.0.2, 2.1.2, 2.2.3, 2.3.2, 2.4, 2.5.2, 2.6.3, 2.7.2, 2.8.2, 2.9.1	Mercurial 2.1 has a bug that makes it incompatible with Crucible. Please use Mercurial 2.1.1 or later. You should restart Crucible after upgrading Mercurial.
Atlassian applications		
Crowd	 Crowd server 2.4.x  Crowd client library: 2.4.1	From version 2.8.x, Crucible bundles the Crowd 2.4.1 client library, and supports the Crowd 2.4.x server.
JIRA	 JIRA FishEye Plugin 6.1.0+	The JIRA FishEye Plugin is bundled with JIRA. If you are using earlier versions of JIRA you can upgrade the plugin in JIRA to get support for Crucible.

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 [FishEye Supported Platforms](#).

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 upcoming versions of Crucible

Platform	Announcement Date	Crucible End of Support
MySQL 5.0	27 November 2013	As of Crucible 3.3
PostgreSQL 8.2	27 November 2013	As of Crucible 3.3
SQL Server 2005	27 November 2013	As of Crucible 3.3
Internet Explorer 8	27 November 2013	As of Crucible 3.3

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.



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 new versions of databases, web browsers etc. are released, the cost of supporting multiple platforms grows exponentially, making it harder to provide the level of support our customers have come to expect from us. Therefore, we no longer support platform versions marked as end-of-life by the vendor, or very old versions that are no longer widely used.

On this page (most recent announcements first):

- [Deprecated Crucible support for MySQL 5.0 \(announced 27 November 2013\)](#)
- [Deprecated Crucible support for PostgreSQL 8.2 \(announced 27 November 2013\)](#)
- [Deprecated Crucible support for SQL Server 2005 \(announced 27 November 2013\)](#)
- [Deprecated Crucible support for Internet Explorer 8 \(announced 27 November 2013\)](#)
- [Deprecated Crucible 3.2 support for older versions of JIRA \(announced 27 August 2013\)](#)
- [Deprecated database support for Crucible \(announced 4 October 2011\)](#)
- [Deprecated web browsers for Crucible \(announced 21 March 2011\)](#)
- [Deprecated Java platforms for Crucible \(announced 21 March 2011\)](#)
- [Deprecated SCM repository support for Crucible \(announced 4 April 2011\)](#)

Deprecated Crucible support for MySQL 5.0 (announced 27 November 2013)

Atlassian announces the deprecation of Crucible support for MySQL 5.0. We will no longer support MySQL 5.0 in Crucible 3.3. Crucible 3.3 is expected to be released in the first half of 2014.

If you have questions or concerns regarding this announcement, please email [eol-announcement](mailto:eol-announcement@atlassian.com) at [atlassian dot com](mailto:eol-announcement@atlassian.com).

Deprecated Crucible support for PostgreSQL 8.2 (announced 27 November 2013)

Atlassian announces the deprecation of Crucible support for PostgreSQL 8.2. We will no longer support PostgreSQL 8.2 in Crucible 3.3. Crucible 3.3 is expected to be released in the first half of 2014.

If you have questions or concerns regarding this announcement, please email [eol-announcement](mailto:eol-announcement@atlassian.com) at [atlassian dot com](mailto:eol-announcement@atlassian.com).

Deprecated Crucible support for SQL Server 2005 (announced 27 November 2013)

Atlassian announces the deprecation of Crucible support for SQL Server 2005. We will no longer support SQL Server 2005 in Crucible 3.3. Crucible 3.3 is expected to be released in the first half of 2014.

If you have questions or concerns regarding this announcement, please email [eol-announcement](mailto:eol-announcement@atlassian.com) at [atlassian dot com](mailto:eol-announcement@atlassian.com).

Deprecated Crucible support for Internet Explorer 8 (announced 27 November 2013)

Atlassian announces the deprecation of Crucible support for IE8. We will no longer support IE8 in Crucible 3.3. Crucible 3.3 is expected to be released in the first half of 2014.

If you have questions or concerns regarding this announcement, please email `eol-announcement` at `atlassian dot com`.

Deprecated Crucible 3.2 support for older versions of JIRA (announced 27 August 2013)

Atlassian announces the deprecation of support for Crucible communication with older versions of Atlassian JIRA. We will stop supporting older versions of JIRA as follows:

- From Crucible 3.2, support for Crucible to JIRA communication for versions of JIRA earlier than 5.0, will end. Please note that communication from JIRA to Crucible will continue to work as it currently does. Crucible 3.2 is expected to be released late in 2013.

If you have questions or concerns regarding this announcement, please email `eol-announcement` at `atlassian dot com`.

Deprecated database support for Crucible (announced 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 8.1 will end.

Please refer to the [Supported platforms](#) 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 (announced 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 [Supported platforms](#) 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 (announced 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 [Sun's Java SE Support Road Map](#) (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 [Supported platforms](#) 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](mailto:eol-announcement@atlassian.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 Crucible for bugs affecting Java Platform 5 (JDK/JRE 1.5).

Deprecated SCM repository support for Crucible (announced 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. After the specified date, Atlassian will not support the functionality in any version of Crucible.

Please refer to the [Supported platforms](#) 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](mailto:eol-announcement@atlassian.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 features.
- After 4 April 2012, Atlassian will not support IBM ClearCase functionality in any version of Crucible

End of Support Announcement for IBM ClearCase

Support in Crucible for [IBM ClearCase](#) 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 not be providing any ClearCase-related support for any Crucible version after 4 April 2012, and **has removed 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: [End of Support Announcements for Crucible](#).

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 [Upgrading from FishEye to Crucible](#) instead.

1. Check supported platforms

Better check the [Supported platforms](#) 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 FishEye 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 [Running Crucible as a Windows service](#), 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](#).

 *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**, that is, something like `C:\Java\bin`. Don't use a trailing backslash. We recommend that JAVA_HOME should point to the Java executable specified in your PATH.
4. Now, in a new command prompt, try running '`%JAVA_HOME%\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


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 `<Crucible home directory>` in these instructions. If you use FishEye and Crucible together, they run as one instance – see [Crucible and FishEye](#).
- If you expect to have a large number of users for this Crucible installation, and Crucible will be [connected 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.

 You *should not* locate your Crucible instance directory inside the `<Crucible home directory>` — these should be entirely separate locations. If you do put the instance directory in the `<Crucible 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 <Crucible home directory>\config.xml file to the root of your new Crucible instance directory.

i 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: [Subversion Indexer Paused with "Too many open files" Error](#).

7. Start Crucible!

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

```
bin\start.bat
```

After a few moments, in a web browser on the same machine, go to <http://localhost:8060/> (or, from another machine, type <http://hostname:8060/>, 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 [Configuring JIRA integration in the Setup Wizard](#).

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 [supported](#) external databases. See [Migrating to an external database](#).

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 [Starting to use Crucible](#) 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 <Crucible 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 [Java Service Wrapper](#).

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.

 Please note that:

- This page should be read in conjunction with [Installing Crucible on Windows](#).
- 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 [wrapper.zip](#), which enables the [Java HotSpot\(TM\) Server VM](#). See the [note](#) 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 [here](#).
2. Unzip the wrapper zip file into your <Crucible home directory> (that is, the directory into which Crucible was originally installed). Note, the resulting folder structure should be similar to <Crucible home directory>\wrapper or <Crucible home directory>\wrapper\bin, etc and NOT <Crucible home directory>\wrapper\wrapper or <Crucible home directory>\wrapper\wrapper\bin. The location of the wrapper directory is important.
3. Tell the wrapper where to find the Java JDK by editing the <Crucible 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 `<Crucible home directory>\var\log\wrapper.log`.

4. Set the `FISHEYE_INST` environment variable (and other Crucible-specific environment variables) in the `<Crucible 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 `<Crucible home directory>\wrapper\bin` and run `Fisheye-Install-NTService.bat`. If you run into any problems starting the wrapper, you'll find its logs in `<Crucible 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 Crucible 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 [environment variables](#) must be set in your `<Crucible home directory>\wrapper\conf\wrapper.conf` file.

If you run into any problems starting the wrapper, you'll find its logs in `<Crucible 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=false
wrapper.java.additional.7=-Dcom.sun.management.jmxremote.ssl=false
wrapper.java.additional.8=-Dcom.sun.management.jmxremote.authenticate=false
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 [Java HotSpot\(TM\) Server VM](#). 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 `-server` parameter from the `wrapper.conf` 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 `wrapper.java.additional.1`. 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 `-server` functionality. You also need to force the wrapper to use the JDK by specifying the path to the Java JDK in the `wrapper.conf` 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 [Upgrading from FishEye to Crucible](#) instead.

1. Check supported platforms

Better check the [Supported platforms](#) 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 later (**1.7.0** or later for OpenJDK).

▼ [If you don't see a supported version of Java, then get Java...](#)

Download and install the [Oracle Java Platform JDK](#), or [OpenJDK](#).

Now try running `'java -version'` again to check the installation. The version of Java should be **1.6.0** or later (**1.7.0** or later for OpenJDK).

3. Check that the system can find Java

In a terminal, run this:

```
echo $JAVA_HOME
```

You should see a path something like:

OSX	/System/Library/Frameworks/JavaVM.framework/Versions/CurrentJDK/Home/
Linux	/usr/lib/jvm/default-java

▼ If you don't see a path to the Java location, then set JAVA_HOME...

Linux	Mac
<p>Do either of the following:</p> <ul style="list-style-type: none"> If <code>JAVA_HOME</code> is not set, log in with 'root' level permissions and run: <pre>echo JAVA_HOME="path/to/JAVA_HOME" >> /etc/environment</pre> <p>where <code>path/to/JAVA_HOME</code> may be like: <code>/usr/lib/jvm/default-java</code></p> <ul style="list-style-type: none"> If <code>JAVA_HOME</code> needs to be changed, open the <code>/etc/environment</code> file in a text editor and modify the value for <code>JAVA_HOME</code> to: <pre>JAVA_HOME="path/to/JAVA_HOME"</pre> <p>It should look like:</p> <pre>JAVA_HOME=/usr/lib/jvm/default-java</pre>	<p>Insert the following in your <code>~/.profile</code> file:</p> <pre>JAVA_HOME="path/to/JAVA_HOME" export JAVA_HOME</pre> <p>where <code>path/to/JAVA_HOME</code> may be like:</p> <pre>/System/Library/Frameworks/JavaVM.framework/Versions/CurrentJDK/Home/</pre> <p>Refresh your <code>~/.profile</code> in the terminal and confirm that <code>JAVA_HOME</code> is set:</p> <pre>source ~/.profile \$JAVA_HOME/bin/java -version</pre> <p>You should see a version of Java that is 1.6.0 or higher, like this:</p> <pre>java version "1.6.0_24"</pre>

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 `<Crucible home directory>` in these instructions. If you

use FishEye and Crucible together, they run as one instance, and use the same home directory – see [Crucible and FishEye](#).

- If you expect to have a large number of users for this Crucible installation, and Crucible will be [connected 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	Mac
Open the <code>/etc/environment</code> file in a text editor and insert : <code>FISHEYE_INST="path/to/<Crucible instance directory>"</code>	Open the <code>~/.profile</code> file for the current user in a text editor and insert: <code>FISHEYE_INST="path/to/<Crucible instance directory>"</code> <code>export FISHEYE_INST</code>

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

 You *should not* locate your Crucible instance directory inside the `<Crucible home directory>` — they should be entirely separate locations. If you do put the instance directory in the `<Crucible 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: [Subversion Indexer Paused with "Too many open files" Error](#).

7. Start Crucible!

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

```
bin/start.sh
```

After a few moments, in a web browser on the same machine, go to <http://localhost:8060/> (or, from another machine, type <http://hostname:8060/> , 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 [Configuring JIRA integration in the Setup Wizard](#).

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 [supported](#) external databases. See [Migrating to an external database](#).

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 [Starting to use Crucible](#) 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 `<Crucible 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:

- [Linking Crucible to JIRA](#)
- [User management limitations and recommendations](#)
- [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-administrators`.

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
---------	-------	----------

<p>The setup wizard displays one of the following error messages:</p> <ul style="list-style-type: none"> Failed to create application link from JIRA server at <URL> to 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>. 	<p>The setup wizard failed to complete registration of the peer-to-peer application link with JIRA. JIRA integration is only partially configured.</p>	<p>Remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup. Detailed instructions are below.</p>
<p>The setup wizard displays one of the following error messages:</p> <ul style="list-style-type: none"> Failed to register <application> configuration in JIRA for shared user management. Received invalid response from JIRA: <response> Failed to register <application> configuration in JIRA for shared user management. Received: <response> 	<p>The setup wizard failed to complete registration of the client-server link with JIRA for user management. The peer-to-peer link was successfully created, but integration is only partially configured.</p>	<p>Remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup. Detailed instructions are below.</p>
<p>The setup wizard displays the following error message:</p> <ul style="list-style-type: none"> Error setting Crowd authentication 	<p>The setup wizard successfully established the peer-to-peer link with JIRA, but could not persist the client-server link for user management in your <code>config.xml</code> file. This may be caused by a problem in your environment, such as a full disk.</p>	<p>Please investigate and fix the problem that prevented the application from saving the configuration file to disk. Then remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup. Detailed instructions are below.</p>
<p>The setup wizard displays the following error message:</p> <ul style="list-style-type: none"> Error reloading Crowd authentication 	<p>The setup wizard has completed the integration of your application with JIRA, but is unable to start synchronizing the JIRA users with your application.</p>	<p>Restart your application. You should then be able to continue with the setup wizard. If this solution does not work, please contact Atlassian Support.</p>
<p>The setup wizard displays the following error message:</p> <ul style="list-style-type: none"> An error occurred: <code>java.lang.IllegalStateException</code>: Could not create the application in JIRA/Crowd (code: 500). Please refer to the logs for details. 	<p>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.</p>	<p>Remove the partial configuration if it exists, try the 'Connect to JIRA' step again, and then continue with the setup. Detailed instructions are below.</p>

<p>No users can log in after you have set up the application with JIRA integration.</p>	<p>Possible causes:</p> <ul style="list-style-type: none"> • 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. 	<p>Go to JIRA and add some usernames to the group.</p> <ul style="list-style-type: none"> • 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 Global permissions page. <p>If this solution does not work, please contact Atlassian Support.</p>
---	--	---

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 **Application 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 **Application URL** matches the base URL of your Stash server.
 - c. Click **Delete** next to the application link that you want to delete.
 - d. A confirmation screen will appear. Click **Confirm** 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 configuration 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 **Application 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 **Application URL** matches the base URL of your Stash server.
 - c. Click **Delete** next to the application link that you want to delete.
 - d. A confirmation screen will appear. Click **Confirm** 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 `<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.
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 **Next**.
 - d. Enter the following information:
 - **Create a link back to this server** – Check 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 **Next**.
 - f. Enter the information required to configure authentication for your application link:
 - **The servers have the same set of users** – Check this box, because the users are the same in both applications.
 - **These servers fully trust each other** – Check this 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 [Configuring Authentication for an Application Link](#).
 - g. Click **Create**.
 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 [CIDR notation on Wikipedia](#) and [RFC 4632](#).
 - **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:

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: <div style="border: 1px solid #add8e6; padding: 5px; margin: 5px 0;"> <pre>http://www.example.com:8080/jira/ http://jira.example.com</pre> </div>
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 Yes to ensure that JIRA will synchronize all changes in the user information on a regular basis. Change the value for Synchronise Period 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 **Disabled**. 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 area.
 - 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 Stash 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 introduces the basics of using Crucible. By the end, you'll know how to:

- [Add a repository](#)
- [Create a project](#)
- [Create and perform reviews](#)

For more information, see the [Crucible user's guide](#).

Assumptions

We're assuming that:

- You have installed and started the latest version of Crucible. See the details at [Installing Crucible on Windows](#) or [Installing Crucible on Linux and Mac](#).
- You are using a [supported browser](#).
- You have admin permission in Crucible.

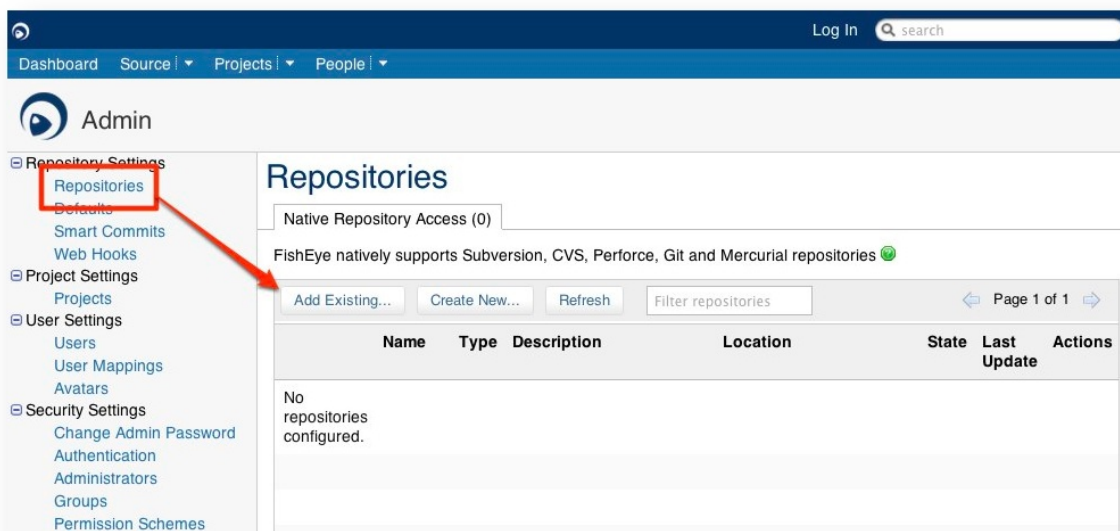
Add a repository

First up we're going to add a repository to Crucible.

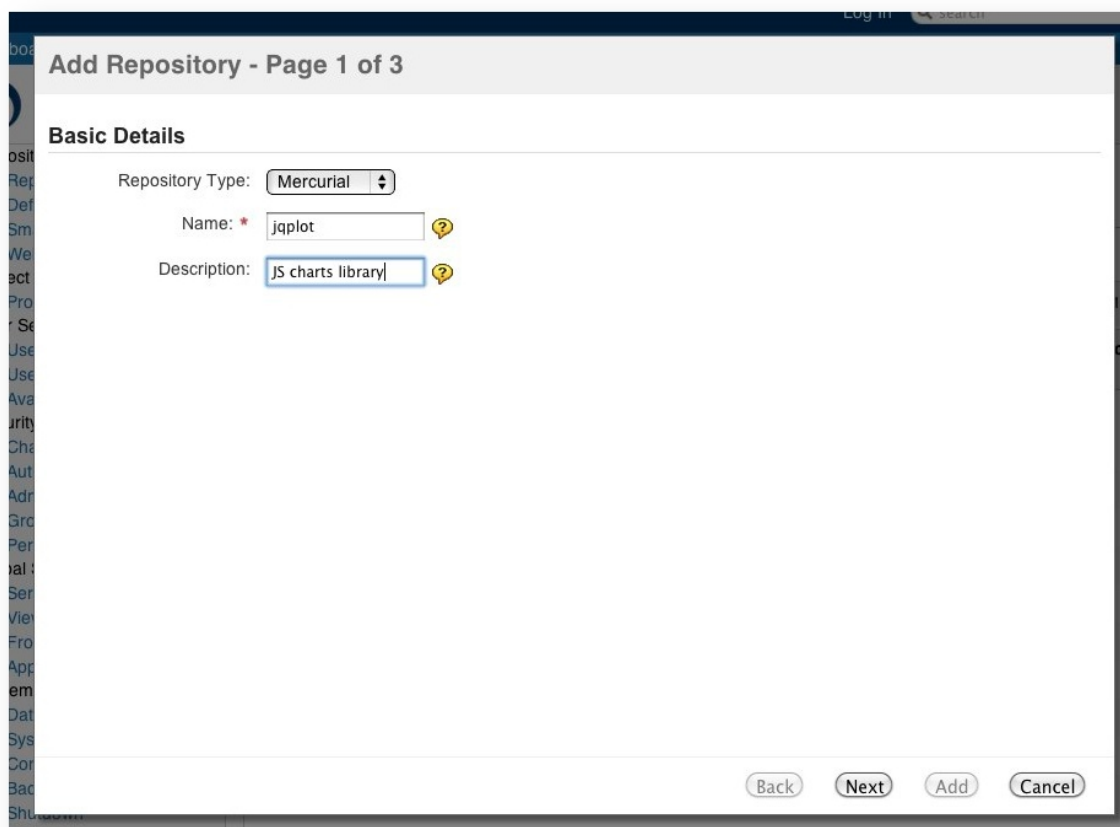
Go to the Admin area by clicking on the 'cog' at the top right and choosing **Administration**:



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



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.

Add Repository - Page 2 of 3

Mercurial Connection Details

Repository Location: * ?

Mercurial Authentication

Authentication Style: ?

FishEye will not add any authentication to requests. Authentication will be handled transparently by the SCM.

☐ Show advanced settings

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.

Add Repository - Page 3 of 3

Final Settings

Store Diff Info: ☐ ?

Enable Repository After Adding: ☒ ?

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

Repositories

Native Repository Access (1) Plugins (4)

Crucible natively supports Subversion, CVS, Perforce, Git and Mercurial repositories 🟢

Add Existing... Create New... Refresh Filter repositories Page 1 of 1

Name	Type	Description	Location	State	Last Update	Actions
jqplot	Mercurial	JS charts library	https://bitbucket.org/cleonello/jqplot/	Running		Info Cloning repository

Create a project in Crucible

Crucible comes with a default project, with the key CR, but you will probably want to create your own projects to contain your reviews. This is achieved in a couple of steps.

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

Admin

- Repository Settings
 - Repositories
 - Defaults
 - Smart Commits
 - Web Hooks
- Project Settings**
 - Projects**
- User Settings
 - Users
 - User Mappings
 - Avatars
- Security Settings
 - Change Admin Password
 - Authentication
 - Administrators
 - Groups
 - Permission Schemes
- Global Settings

Projects 🟢

A project is a set of Crucible content.

Key	Name	Default Repository	Default Moderator	Def
CR	Default Project			

Add a new project

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

Edit Project

Identification

Name

Key

Content

Default Repository

☒ Store the contents of files in reviews

Permissions Scheme

Permission Scheme

Moderator

☒ Enable the Moderator role for this project


Default Moderator Start typing a user name then press enter to select.

Default Reviewers

☐ By default, allow anyone to join reviews after creation

Users Start typing a user name then press enter to select.

You'll see your new project in the **Projects** listing.


Admin

- Repository Settings
 - Repositories
 - Defaults
 - Smart Commits
 - Web Hooks
- Project Settings
 - Projects**
- User Settings
 - Users
 - User Mappings
 - Avatars
- Security Settings
 - Change Admin Password
 - Authentication
 - Administrators
 - Groups
 - Permission Schemes
- Global Settings


Projects

A project is a set of Crucible content.

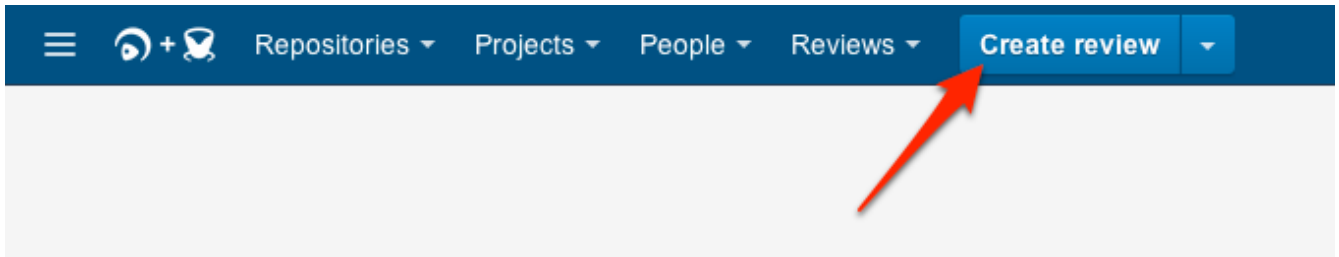
Key	Name	Default Repository	Default Moderator	Default Reviewer Users	Default Reviewer
CR	Default Project				
JQR	JQ Reviews	jqplot			

Create a review

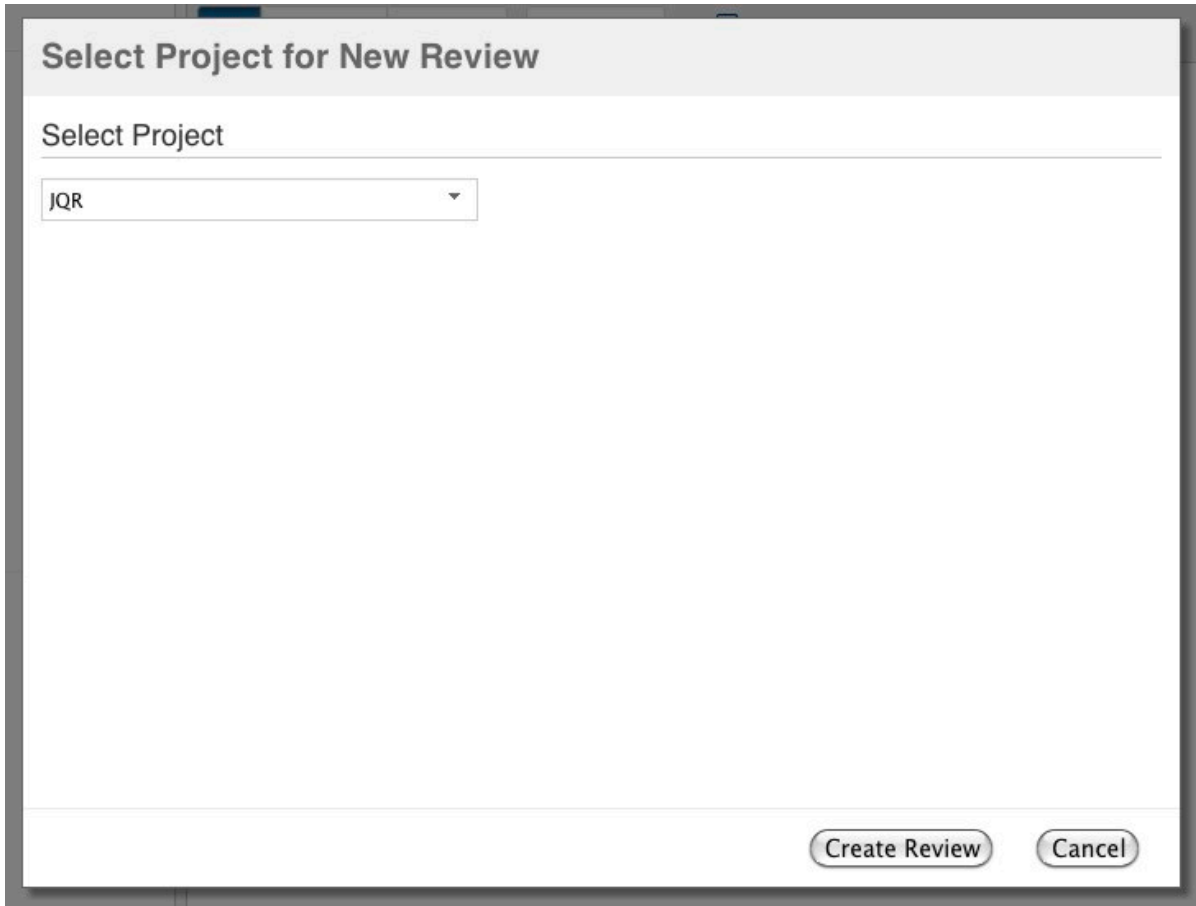
Now that you have your own project you can create reviews in it.

 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 Changesets** to see the list of changesets available to create the review.



Add Content to Review JQR-1

Browse Changesets
Browse recent changes for revisions to add to this review

Explore Repositories
Use a directory tree to find files

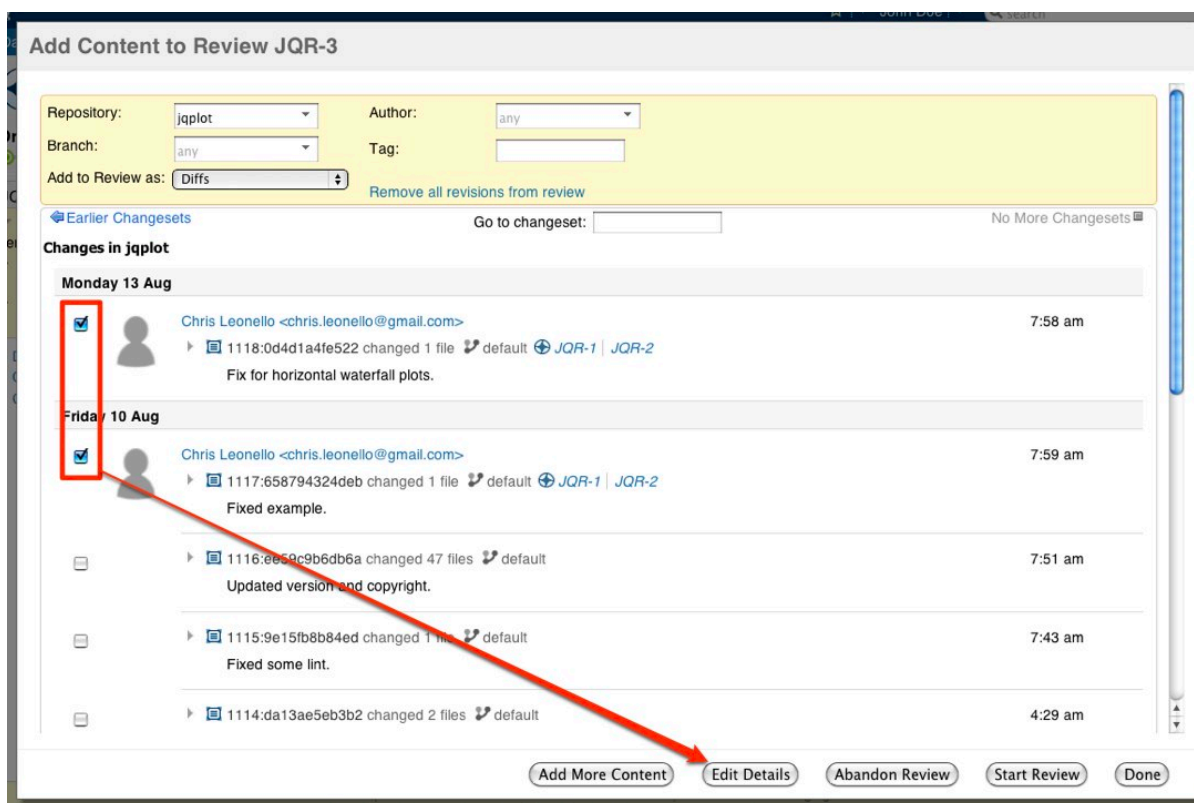
Search for Files
Use Crucible's search to find revisions to add to this review

Pre-commit
Upload a patch file to be reviewed - diffs of files will be extracted

Attachments
Upload a file to be reviewed

[Edit Details](#) [Abandon Review](#) [Start Review](#) [Done](#)

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




Add Content to Review JQR-3

Repository: Author:
Branch: Tag:
Add to Review as: [Remove all revisions from review](#)


[Earlier Changesets](#) Go to changeset: No More Changesets

Changes in jqplot

Monday 13 Aug

☒  Chris Leonello <chris.leonello@gmail.com> 7:58 am
1118:0d4d1a4fe522 changed 1 file default [JQR-1](#) | [JQR-2](#)
Fix for horizontal waterfall plots.

Friday 10 Aug

☒  Chris Leonello <chris.leonello@gmail.com> 7:59 am
1117:658794324deb changed 1 file default [JQR-1](#) | [JQR-2](#)
Fixed example.

☐ 1116:e659c9b6db6a changed 47 files default 7:51 am
Updated version and copyright.

☐ 1115:9e15fb8b84ed changed 1 file default 7:43 am
Fixed some lint.

☐ 1114:da13ae5eb3b2 changed 2 files default 4:29 am

[Add More Content](#) [Edit Details](#) [Abandon Review](#) [Start Review](#) [Done](#)

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

Edit Review Details JQR-3

Project: JQR

Title: Fix for horizontal waterfall plots.

Author: John Doe Moderator: John Doe

Reviewers: [Suggest reviewers...](#) ☐ Allow anyone to join

[Sean Carter](#)

[Donald Glover](#)

Objectives:

Due Date:

Linked Review: [Link](#)

Invited Reviewers: [Invite](#)

[Add Content](#) [Abandon Review](#) [Start Review](#) [Done](#)

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

JQ Reviews, JQR-3

Fix for horizontal waterfall plots.

Under Review for a few seconds

Author & Moderator Reviewers

[John Doe](#) [Donald Glover](#) [Sean Carter](#)

Details

Participant	Role	Time Spent	Comments	Latest Comment
John Doe	Author & Moderator	0m		
Donald Glover	Reviewer - 0% complete			
Sean Carter	Reviewer - 0% complete			
Total		0m	0	

Files: 2

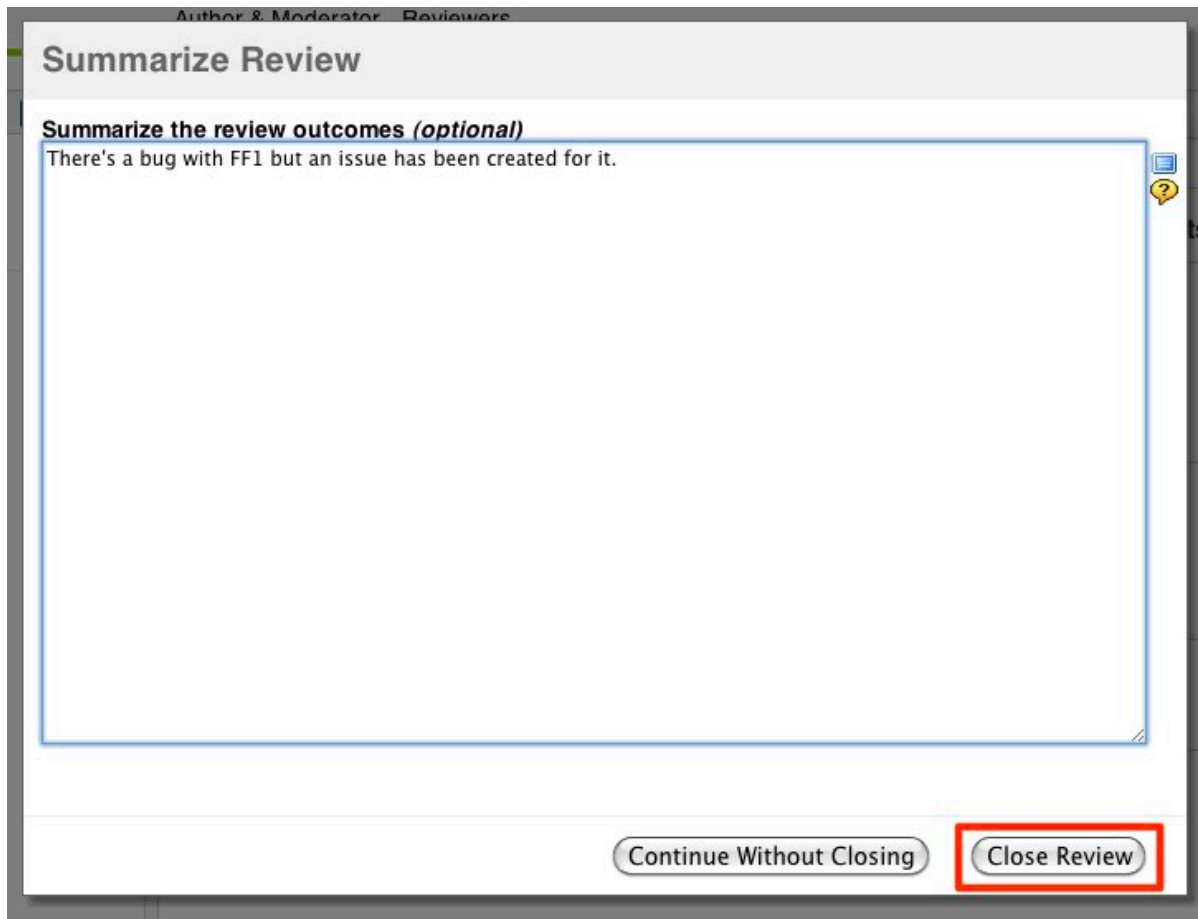
Objectives [Edit](#)

Please check if the CSS modifications are IE compliant

General Comments

There are no general comments on this review. [Add a general comment.](#)

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.

- [Using the Crucible screens](#)
 - [Using the Review Dashboard](#)
 - [Browsing all reviews](#)
 - [Browsing source files](#)
 - [Crucible Icons](#)
 - [Searching Crucible](#)
 - [Viewing people's statistics in Crucible](#)
 - [Browsing projects](#)
 - [Viewing Project Statistics](#)
 - [Changing your User Profile](#)
 - [Using favourites](#)
 - [Using Keyboard Shortcuts in Crucible](#)
- [The Crucible workflow](#)
 - [Defining your workflow](#)
 - [Roles and Status Classifications](#)
- [Creating a review](#)
 - [Creating a review from FishEye](#)
 - [Creating a review from JIRA](#)
 - [Creating a review from a URL](#)
 - [Creating a Snippet Review](#)
 - [Creating reviews from the command line](#)
- [Adding content to the review](#)
 - [Iterative reviews](#)
 - [Creating patch files for pre-commit reviews](#)
- [Choosing reviewers](#)
- [Performing the review](#)
 - [Starting a review](#)
 - [Adding comments](#)

- [Changeset discussions](#)
- [Flagging defects](#)
- [Creating JIRA issues from the review](#)
- [Viewing reports](#)
 - [Review Coverage report](#)
- [Completing your review](#)
- [Using the Review History Dialog](#)
- [Using RSS feeds in Crucible](#)
- [Using Wiki Markup in Crucible](#)
- [Tracking Crucible Review Metrics](#)
 - [Using Progress Tracking](#)
 - [Using Time Tracking](#)
- [JIRA integration in Crucible](#)
- [Summarising and closing the review](#)
- [Managing your reviews](#)
 - [Using Review Reminders](#)
 - [Sending a review's comments via email](#)
 - [Moving a Review to Another Project](#)
 - [Deleting a review](#)
- [Transitioning JIRA issues](#)


Using the Crucible screens

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

On this page:

- [Dashboard](#)
- [Header](#)
- [Recent activity](#)
- [Related pages](#)

Dashboard

The dashboard is the first screen you see when you log into FishEye/Crucible. The dashboard displays reviews and system activity related to you, and provides filtering for your recent repositories and projects. The dashboard can be accessed from anywhere in the application by clicking the FishEye/Crucible icon  in the [header](#).

Click **View review dashboard** to see more information about your reviews.

Screenshot: The Crucible dashboard (with FishEye), showing current reviews and recent activity

Repositories ▾Projects ▾People ▾Reviews ▾Create review ▾

Q Search

?

⚙

Dashboard

My reviews

Key	Status	Title	Author
TEST-313	TO REVIEW	Untitled	Jurgen Spangl 9 months old

View review dashboard

Recent activity

AllCommitsReviewsExpand all

Thursday 18 Apr

Paul Watson11:19 pm

440a0e0

 changed 0 files master, 2.4 and 141 more in stash
Automatic merge from 2.4 -> master By Paul Watson (2) and Michael Heemskerk (1) Via Pa...

da47994

 changed 0 files master, 2.4 and 141 more in stash11:19 pm

Automatic merge from 2.3 -> 2.4 commit '251b4868e1db377c7129a8bc3e7b1b3dd107c4a0': ...

251b486

 changed 0 files master, 2.3 and 142 more in stash11:19 pm

Merge pull request #1526 in STASH/stash from ~PWATSON/stash:STASHDEV-3570-static-...

4a2448a

 changed 1 file master, 2.3 and 142 more in stash11:15 pm

change link on line 16

Wednesday 17 Apr

Paul Watson11:39 pm

4936c28

 changed 1 file master, 2.3 and 142 more in stash
STASHDEV-3570-fix-docs-link

Repositories and projects

Filter repositories...

RepositoriesProjects

Recent

FE-hg

applinks-git

svnkit

stash

atlassian

All

activeobjects

Getting started

All the information you need to get started.

FishEyeCrucible

Header

Repositories ▾Projects ▾People ▾Reviews ▾Create review ▾

Q Search

?

⚙

The table below explains the tabs in the Crucible header:

Tab	Function	Appears
Repositories	Displays contents of connected source repositories. The dropdown menu has links to recently visited repositories.	Only when FishEye is used with Crucible. Only when FishEye is used with Crucible for logged-in users.
Projects	Displays reviews and content from specific projects. The dropdown menu has links to recently visited projects.	All screens All screens for logged-in users.
People	Displays metrics on the users of the Crucible instance. The dropdown menu has links to recently visited user pages.	All screens. All screens for logged-in users.

Reviews	<p>Allows you to search and report on reviews.</p> <p>The dropdown menu has links to recently visited reviews, as well as links to the Crucible Inbox and Outbox.</p> <p>Choose Reviews > Review dashboard to see the Review Dashboard that has more information about your reviews.</p>	<p>All screens</p> <p>All screens for logged-in users..</p>
---------	--	---

Recent activity

The dashboard has an activity stream that displays recent commit activity and reviews activity. The activity stream will display your own activity as well as information from projects, reviews, people, repositories, etc, that you have selected as favourites. For more information on favourites, see [Using favourites](#).

Browsing commit activity

Commit 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.

Browsing reviews activity

Reviews activity includes updates to reviews in all projects that you have selected as [favourites](#). See [Browsing all reviews](#) for more information about browsing reviews.

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

Related pages

[Browsing source files](#)
[Browsing projects](#)
[Viewing People's Statistics in Crucible](#)
[Viewing reports](#)
[Searching Crucible](#)
[Using RSS feeds in Crucible](#)
[Changing your User Profile](#)

Using the Review Dashboard

Choose **Reviews > Review dashboard** from the header to see more information about your reviews.

Screenshot: The Review Dashboard

Review Dashboard

Reports

My Reviews

Inbox (5)

To Review (1)

Ready to Close (0)

In Draft (4)

Require My Approval (0)

Outbox (0)

Out For Review (0)

Completed (0)

Archive (10)

Closed (5)

Abandoned (5)

My Snippets

My Open Snippets (6)

My Snippets (6)

Everyone's Reviews

See reviews by state...

Everyone's Snippets

See snippets by state...

Custom Filter

Select a custom filter for the table

Comment Search

Advanced Search

Search Comments

Inbox

5 Reviews

State	Review	Owner	Name	Files	Comments	Age	Due	Reviewers
Review	TEST-313			1	3	9 months		
Draft	TEST-323		Donish	3	0	5 months and 14 days		
Draft	TEST-359			0	0	5 months		
Draft	TEST-399			0	0	3 months and 4 days		
Draft	CR-FE-7366		CRUC-2747: update wording	5	0	2 months and 28 days	2 months and 26 days ago	

Using the 'My Reviews' sidebar

The 'My Reviews' sidebar contains information about reviews and snippets that you are involved with, for example how many reviews need your approval. Read more about the sidebar in [Browsing all reviews](#).

- 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 'information' icon ⓘ to hide/show the sidebar.

Inbox

Click **Inbox** to show all reviews in these [states](#):

To Review — Click to show all reviews where you are a [reviewer](#) and haven't yet completed your review work.

Ready to Close — Click to show all reviews where you are a [moderator](#) and haven't yet [summarised and closed](#) the review.

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.

Require My Approval — Click to show all reviews where you are a [moderator](#) and need to [approve](#) the review.

Outbox	<p>Click Outbox to show all reviews in these states:</p> <p>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.</p> <p>Completed — Click to show all reviews that you are a participant of, and have been completed.</p>
Archive	<p>Click Archive to show all reviews in these states:</p> <p>Closed — Click to show all reviews that you are a participant of, that have been summarised and closed.</p> <p>Abandoned — Click to show all reviews that you are a participant of, that have been abandoned. You may wish to delete these reviews.</p>
My Open Snippets	Click to show all open snippets created by you.
My Snippets	Click to show all snippets created by you.

Related topics

[Browsing all reviews](#)

[Using favourites](#)

[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 [favourites](#). This includes reviews that you are involved with. You can also [generate reports](#) 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 filter reviews by status, e.g. Open, Closed.

To browse all reviews:

1. Choose **Reviews > Review dashboard**. The 'Reviews' page will display all open reviews, unless you have previously used a [custom filter](#). See the screenshot below.
2. Browse your reviews, by clicking the links under 'My Reviews' and 'My Snippets' 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:

All Open Reviews	Reviews that have not been summarised and closed yet.
All Closed Reviews	Reviews that have been summarised and closed .
All Reviews	All reviews, including open reviews, closed reviews and draft reviews.
All Open Snippets	All open snippets .
All Snippets	All snippets , i.e. open and closed snippets.

Screenshot: *Browsing all open reviews*

Review Dashboard

My Reviews

- Inbox (5)
 - To Review (1)
 - Ready to Close (0)
 - In Draft (4)
 - Require My Approval (0)
- Outbox (1)
 - Out For Review (1)
 - Completed (0)
- Archive (8)
 - Closed (3)
 - Abandoned (5)

My Snippets

- My Open Snippets (0)
- My Snippets (0)

All Open Reviews

Displaying results 1 - 50 of 117:

State	Review	Owner	Name	Files	Comments	Age	Due	Reviewers
Review	CR-FE-7365		FECRU-3474: Initialise repo markers if out of sync with states	1	0	96 minutes	in 46 hours	
Review	CR-FE-7364		FECRU-3472: fix the xss issue by returning a jquery object	1	0	2 hours	in 45 hours	
Review	CR-FE-7361		FSH-11605: performance improvements to Edit Project, Add Project and...	17	40 (40 unread)	44 hours	in 3 hours	
Review	CR-FE-7352		FSH-11357: return the latestChangeset rather than the...	2	0	4 days	20 hours ago	
Review	CR-FE-7349		FE-4661: don't try to load more activity on scrolling if there's none...	1	0	5 days	43 hours ago	
Review	CR-CLOV-246		CLOV-1289: added support for <columns> tag in PDF report	1	0	6 days	in 9 hours	
Review	CR-FE-7340		FECRU-3435, FECRU-3183 - fixup jlp funtests a bit	2	7 (7 unread)	7 days	5 days ago	
Review	CR-FE-7332		FSH-11357: add logging around hg indexing	2	0	8 days	6 days ago	
Review	CR-FE-7328		BUILDENG-3390: adding template license files	591	18 (18 unread)	8 days	6 days ago	
Review	CR-CLOV-245		CLOV-958: Refresh button enabled in the Cloud report in case of 100%...	2	0	13 days	6 days ago	

Related Topics

[Using the Review Dashboard](#)

[Viewing reports](#)

Browsing source files


When FishEye is installed with Crucible, the **Repositories** tab is available in the [header](#).

To browse source files:

1. Choose **Repositories** > **All repositories** from the header. 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 name for a 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. See the '[Viewing a file](#)' screenshot below.
4. You can view various information about the file:

Tab	Description
Activity	Shows recent activity for the item. There are a number of sub-options here: All — The default view, showing commits, reviews and JIRA issues. Commits — Shows commits in the activity stream. Reviews — Shows review activity in the activity stream. Filter commits — Applies constraints to the current activity stream. Expand all — Shows more detail for all changesets. Scroll to changeset — Displays the changeset ID specified
Revisions	When viewing a file, shows the latest revisions of the file.
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.
--------	---------------------------------

 To download files, click the **Source** tab for the desired file, then right-click **Raw**.

Screenshot: Viewing all repositories


Repositories

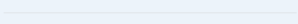
RepositoriesActivity


RepositoryStateCommit History (12 Months)LoCCommitsReviewsLast Updated

☆activeobjectsStopped- - 4

☆applinksStopped- - 0

☆applinks-gitRunning- 2,893 3a few seconds ago

☆atlassianRunning33,433 546 12a few seconds ago

☆atlassian-httpRunning- 91 4a few seconds ago

Screenshot: Viewing a repository

applinks-git☆

AllmasterSearch for branch/tag

ActivityCommit GraphFilesUsersReportsSearch

last updated a few seconds ago

applinks-admin-api/

applinks-api/

applinks-auth-api/

applinks-auth-seraph/

applinks-auth-spi/

applinks-auth-trusted/

applinks-bamboo-plugin/

applinks-caviar-plugin/

applinks-confluence-plugin/

applinks-core/

applinks-fisheye-plugin/

applinks-func-test-plugin/

applinks-host/

applinks-jira-common/

applinks-admin-api

applinks-api

applinks-auth-api

applinks-auth-seraph

applinks-auth-spi

applinks-auth-trusted

applinks-bamboo-plugin

applinks-caviar-plugin

applinks-confluence-plugin

Screenshot: Viewing a file

applinks-git / applinks-admin-api / src / main / java / com / atlassian / applinks / api

MutatingAppLinkTypes.java☆

AllmasterSearch for branch/tag

ActivityRevisionsUsersReportsSource

Diff 2 selectedDiff latestFilterInclude other branchesShow all details

2 revisions

Tim Pettersen

54119b3 on issue/APL-834 , issue/APL-932 ,(+57 more) +0 -24

NONE: Revise nomenclature, remove commented out code & remove the MutatingAppLinkTypes (types are extended by

Tim Pettersen










7a209c4 on issue/APL-834 , issue/APL-932 ,(+57 more) +24 -0

more applinks-api spike mk3

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
	Add a comment
	Go to the previous file in this review
	Go to the next file in this review
	Expand all files
	Collapse all files
	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 [review comments](#), Crucible provides a powerful comment search.

See also [Searching FishEye](#).

On this page:

- [Using the Quick Search](#)
- [Filtering reviews](#)
- [Searching for Review Comments](#)

Using the Quick Search

Before you begin:

- The Quick Search will also return changesets and files, if you are using [FishEye](#) with Crucible. For information on searching FishEye, see [Searching FishEye](#) in the FishEye documentation.

To search Crucible using the Quick Search:

1. Enter your search terms in the search box in the Crucible header. Crucible offers a number of criteria that you can use to refine your results, see [Refining your Quick Search Criteria](#) below.
2. Results will appear in a dropdown, as you type. Results will attempt to be matched against the review name, project and user.
 - If you want to use a quick search result, use the up- and down-arrows on your keyboard and press enter or use your mouse to select the item.
 - If the quick search 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 [Filtering Quick Search Results](#) below.

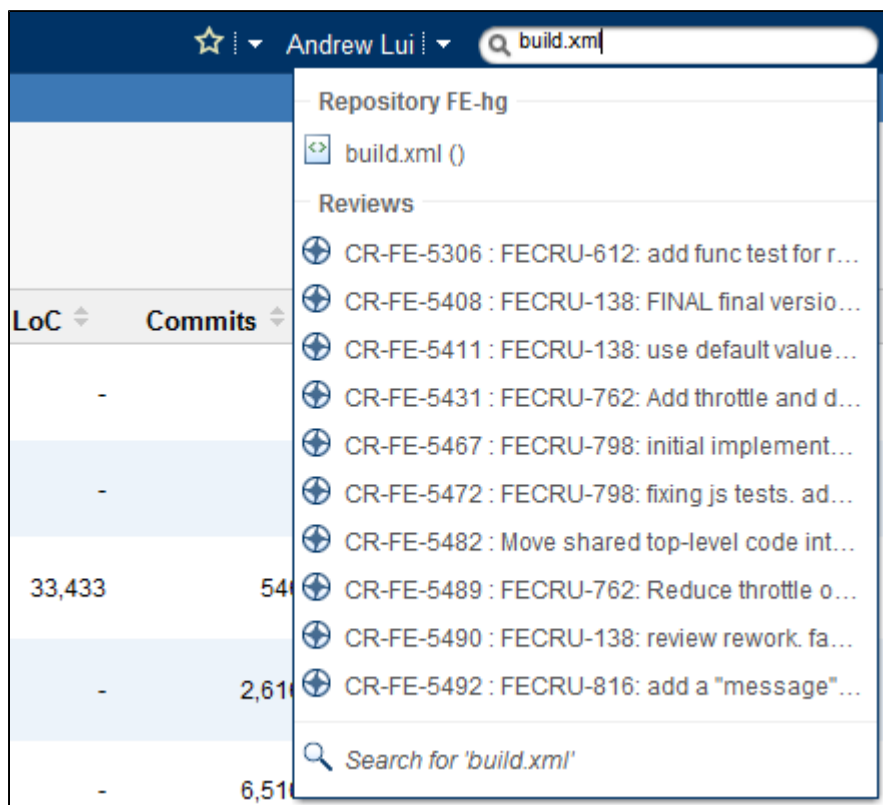
Results are sorted by relevance and boosted if they were edited recently. A maximum of 10 results are displayed per page.

- 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](#).

- 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: Quick Search displaying "quick nav" matches




Refining your Quick Search Criteria

You can refine your search criteria before executing the search:

Search Tool	Description	Example
Field Handles	<p>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.</p> <ul style="list-style-type: none"> detail — Search against title, objective, key, linked reviews and linked issues. reviewcomment — Search against review comments. 	
Searching for Discrete Strings	<p>Enter a specific string within quotation marks and Crucible will match against the exact string. Note, this search is not case-sensitive.</p>	<p>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-28189.</p>

Filtering Quick Search Results

You can filter Quick Search results using the controls in the left panel of the Quick Search page:

Filter	Description
All repositories	Type a repository name into the field, or click the down arrow to see a list of repositories.
Source type	Click Files and directories , Commit messages , Diffs , Content or Committers to restrict the search results to just that source type.
All 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.  <i>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.</i>
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.
Last modified	Filter by the date of the last change.
By	Filter by author name.

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. Click **Reviews** in the header.
2. Click the list of reviews that you want to start with, in the sidebar of the 'Review Dashboard', e.g. 'All Open Reviews'.
3. Click **Custom Filter** in the reviews sidebar.
4. Update the filters with your search criteria (see table below) and then click **Apply Filter**.

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 authors .
Moderator	Find reviews moderated by a particular moderator s.
Creator	Find reviews created by a particular creator .
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.
Type	Choose either Review or Snippet .

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. Click **Reviews** in the header.
2. Enter your search string 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 contain the specified text.
Review Permalid	Find comments made on the specified review.
After	Find comments made after a particular date.
Before	Find comments made before a particular date.
Comment Author	Find comments made by a particular user.
Search Type	Filter for comments marked as Defects . Check Comments to find comments that are not flagged as Defects .
Review State	Find comments on reviews that are in a particular state. See <i>Review State Filter</i> (above).
Ranking	Find defects have been given a particular ranking (e.g. 'Major', 'Minor').
Ranking	Find defects have been given a particular ranking (e.g. 'Major', 'Minor').

Screenshot: Search Comment Filter Options

Search Criteria

Search Criteria

Project: Any Project

Comment content:

Review Permalid:

After:

Before:

Comment Author: any

Search Type:

☐ Defects ☐ Comments

Review State:

☐ Draft ☐ Pending Approval ☐ Under Review

☐ Summarize ☐ Closed ☐ Abandoned

☐ Rejected ☐ Needs Fixing

Metrics:

Ranking: Select Ranking

Requires Re-Review: Select Requires Re-Review

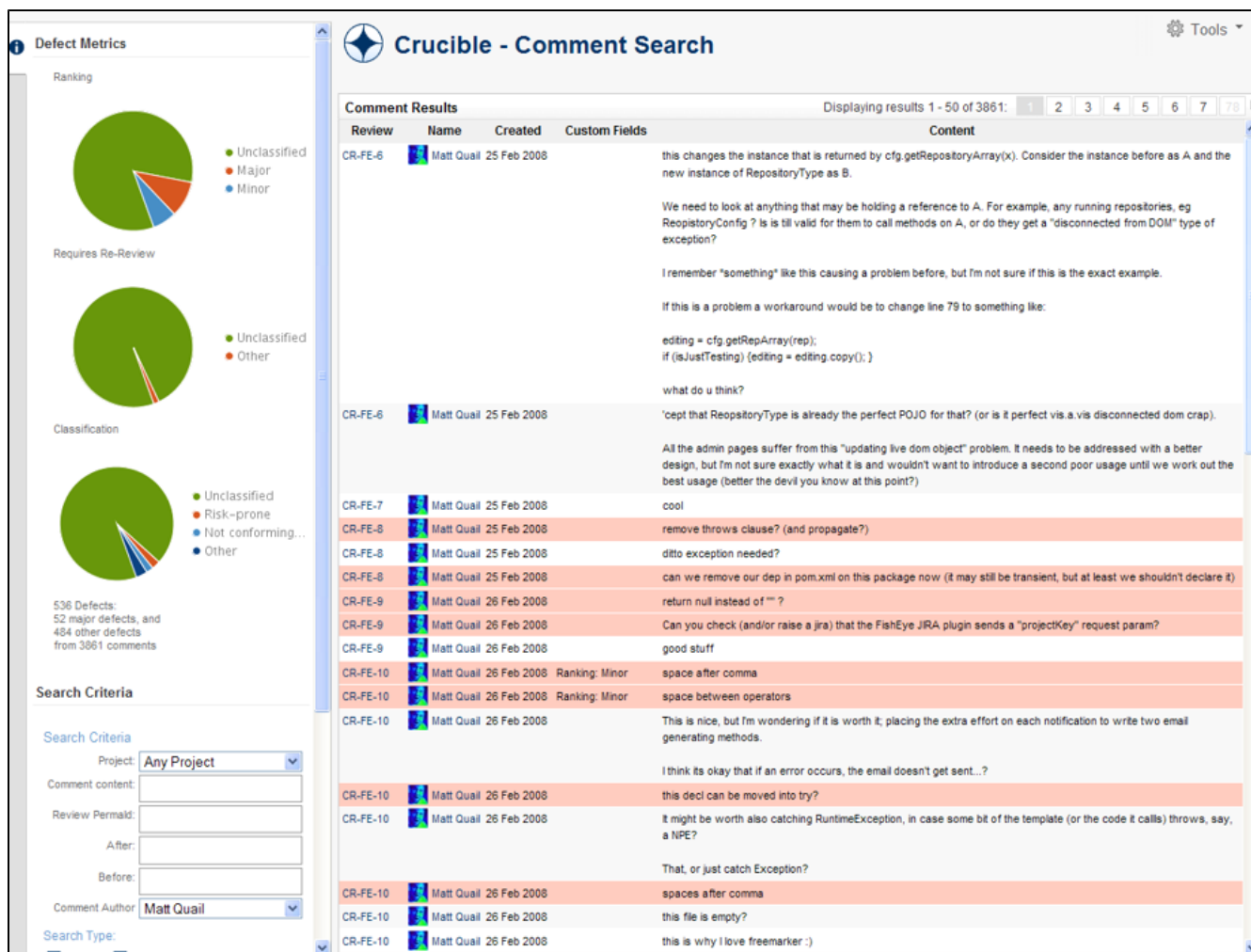
Classification: Select Classification

Search Comments

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: Comment Search Results



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:

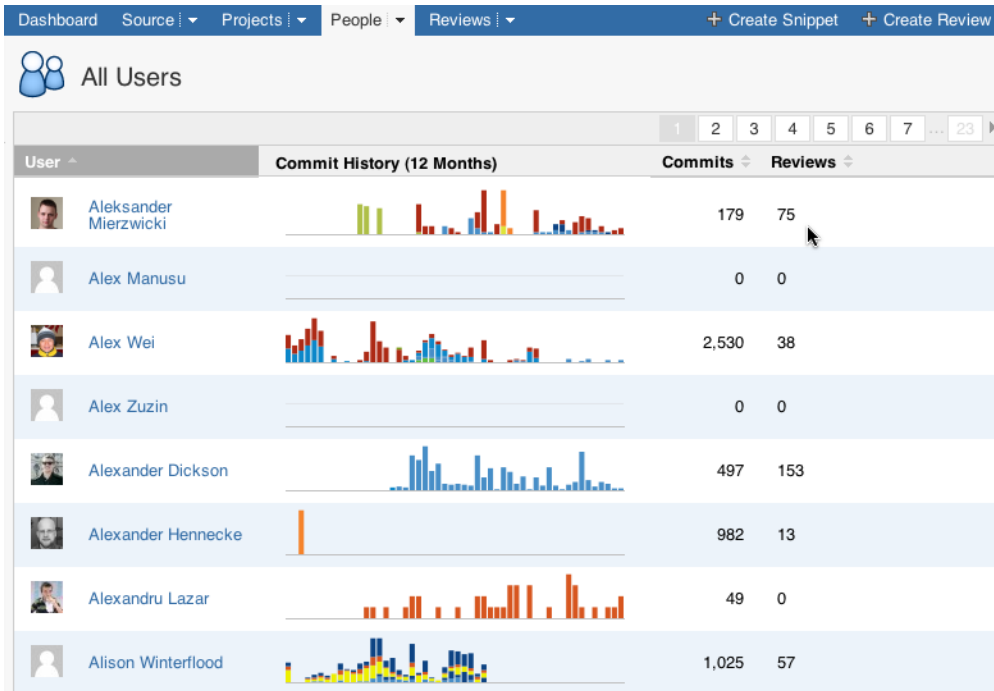
- Opening the list of People
- Viewing a Person's Activity Screen
- Viewing charts of a person's activity

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 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. You can add your own avatar by uploading an image to an external service such as Gravatar, which Crucible supports. See [Changing your User Profile](#).

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



Viewing a Person's Activity Screen

Click on a username to see a listing of activity for them as well as charts showing statistics for their activity.

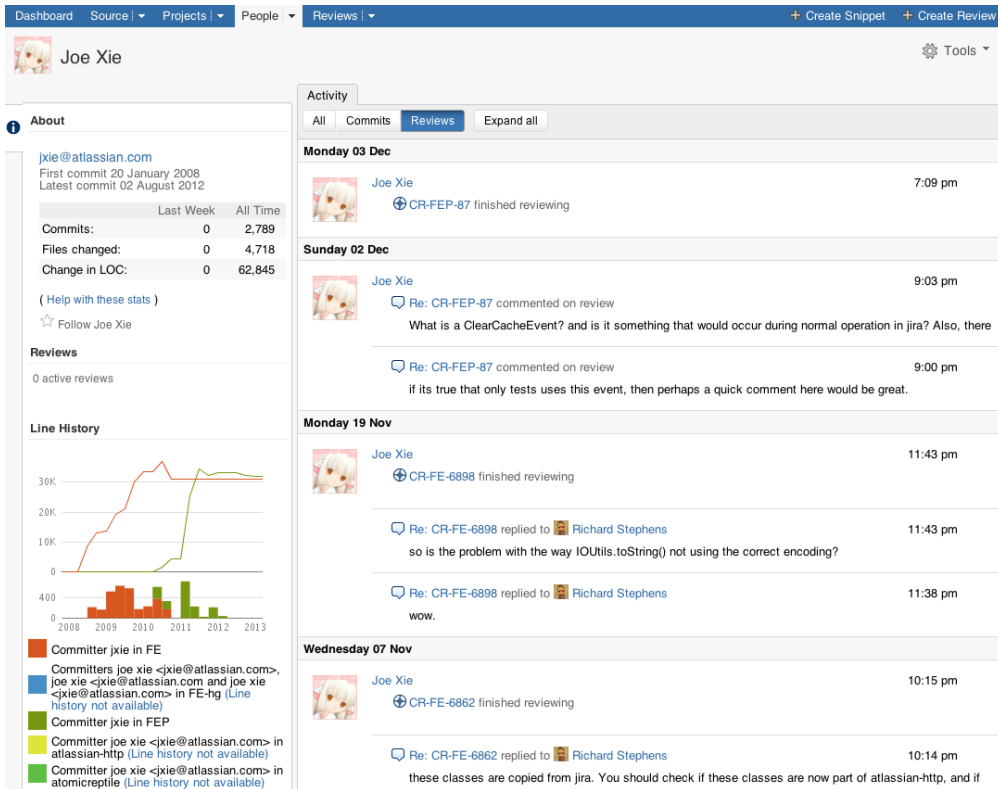
The right hand pane displays a list of all activity for this user. You can:

- 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
- click the [star](#) icon to add an item to your favourites.

The left hand pane displays charts around this activity, including:

- number of active reviews
- charted history of lines of code
- code committing activity
- general statistics.

Screenshot: The People Activity Screen in Crucible



i 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 of 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.


! The charts in this section are only available when using FishEye.


Screenshot: People Activity Charts in Crucible

- About**

The username section shows the email address, then the first and latest commit dates for the person in context.

Also displayed are data points for the previous week and all-time. It shows number of commits, number of files changed and number of lines changed.


Joe Xie



About

jxie@atlassian.com
 First commit 20 January 2008
 Latest commit 02 August 2012


	Last Week	All Time
Commits:	0	2,789
Files changed:	0	4,718
Change in LOC:	0	62,845


([Help with these stats](#))

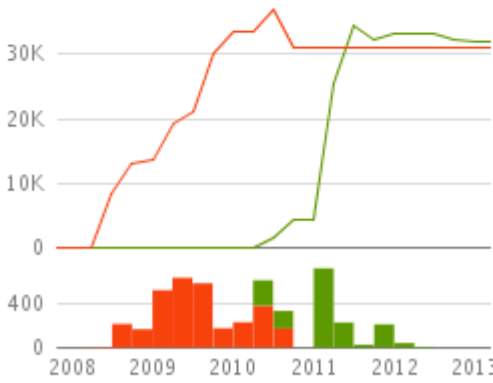
☆ Follow Joe Xie



Reviews


[To Review \(0\)](#)
[Ready to Close \(0\)](#)
[Out For Review \(0\)](#)
[Open \(2\)](#)
[Closed \(1017\)](#)


 Counts may include data that you cannot access.



Line History



 Committer jxie in FE
 Committers joe xie <jxie@atlassian.com>, joe xie <jxie@atlassian.com> and joe xie <jxie@atlassian.com> in FE-hg ([Line history not available](#))

 Committer jxie in FEP
 Committer joe xie <jxie@atlassian.com> in atlassian-http ([Line history not available](#))

 Committer joe xie <jxie@atlassian.com> in atomicreptile ([Line history not available](#))

 Committer joe xie <jxie@atlassian.com> in commithooks ([Line history not available](#))

• Reviews

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**, **Ready to Close**, **Out For Review**, **Open** and **Closed**.

• Line History

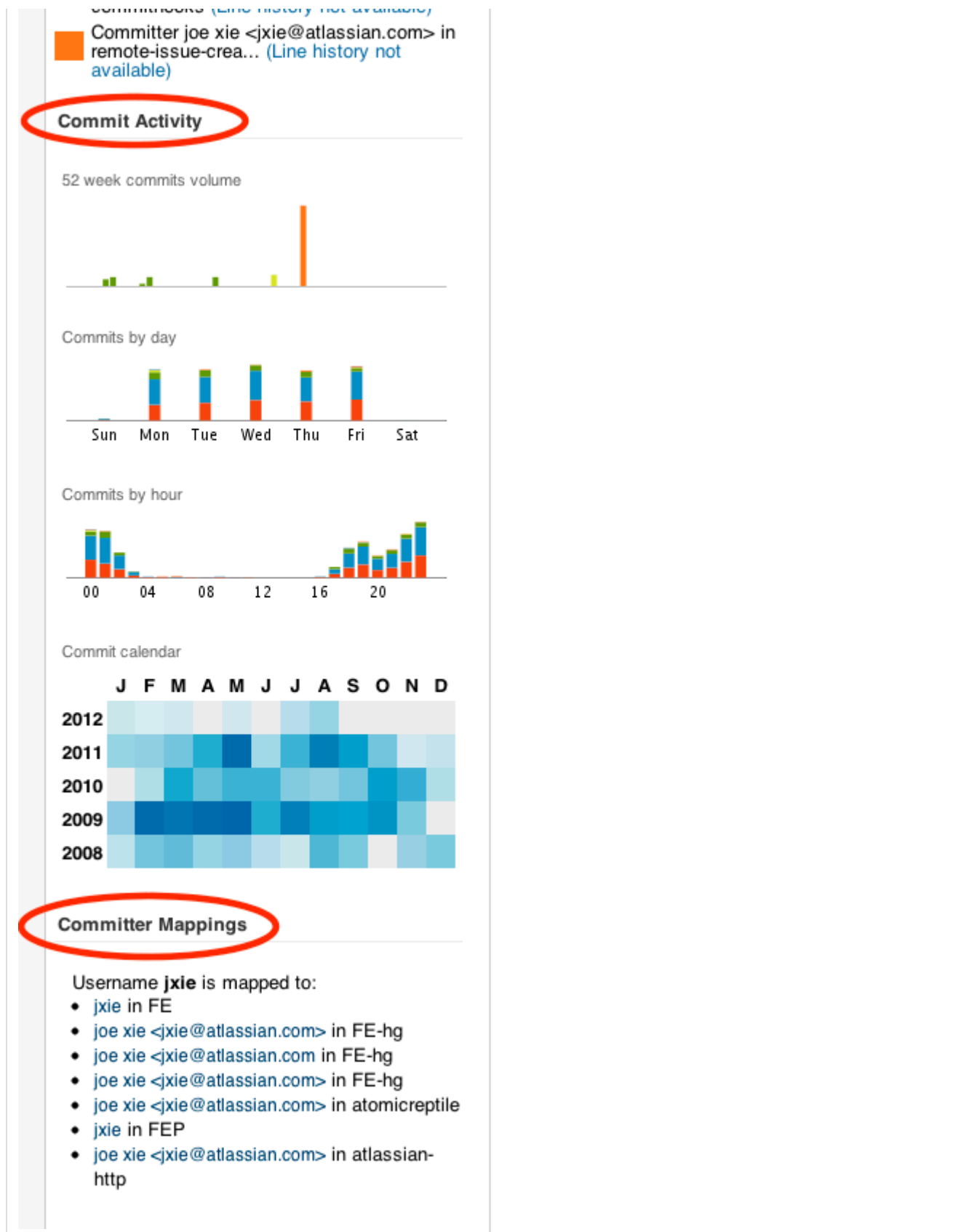
The Line History section shows a graph with the number of lines committed to the repository, charted over time.

• Commit Activity

The Commit Activity section shows four 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; the last shows a commit calendar.

• Committer Mappings

The Committer Mappings section displays username mappings from various systems if they have several usernames in play.



Browsing projects

To browse the content in a project, click **Projects** at the top of the page and choose a recent project, or choose **All projects** and click on a project name in the table.

The page for the project has the following sections:

Left navigation panel

Displays an overview of the project's history, statistics and activity.


Activity tab

Lists recent commit and review activity on separate sub-tabs, and all these together on the **All** sub-tab.

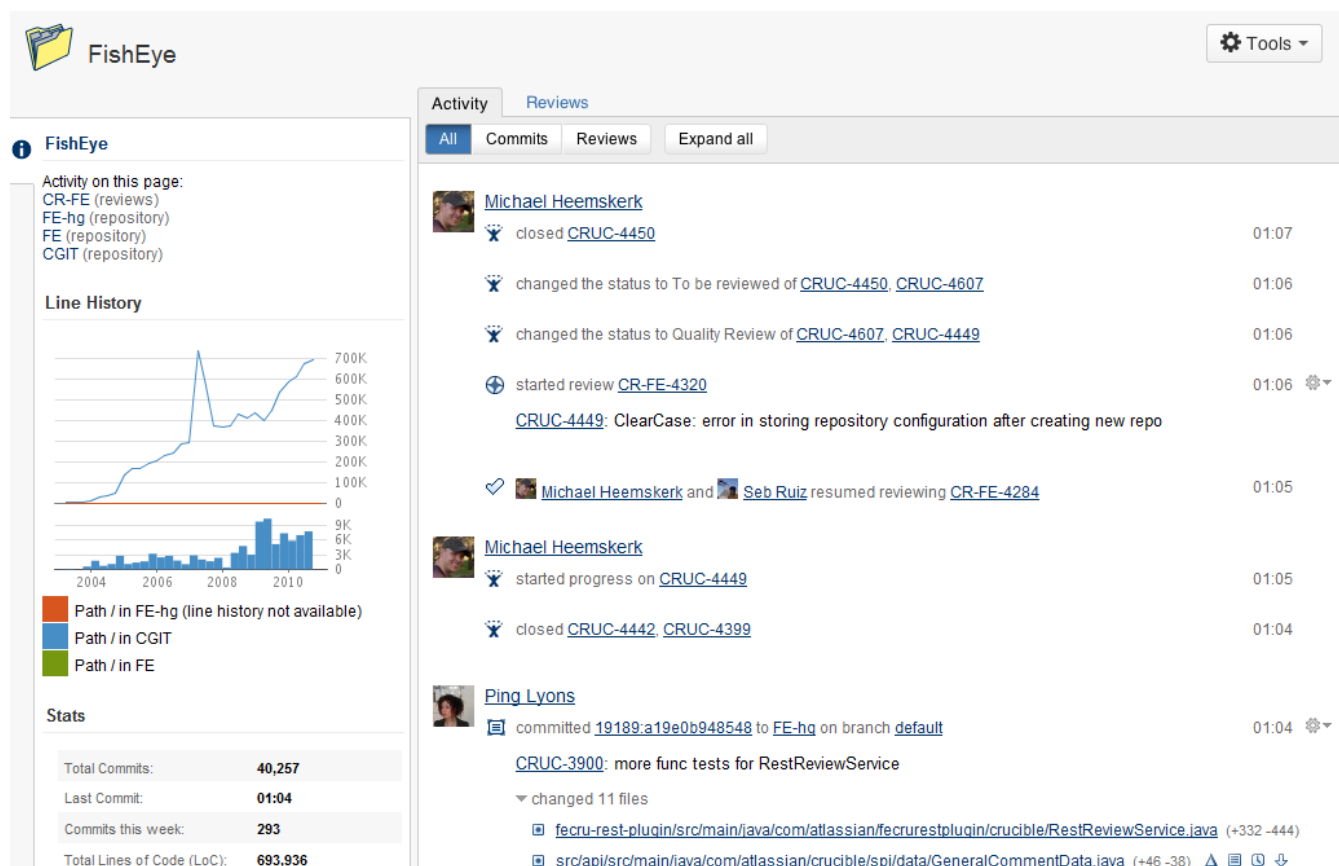
Click **Expand all** to see more detail for every commit or review.

Reviews tab

Lists all the reviews for the project.

 The Projects tab is only visible in Crucible. Read more about the [definition of a project](#).

Screenshot: The Crucible Project View



Viewing Project Statistics

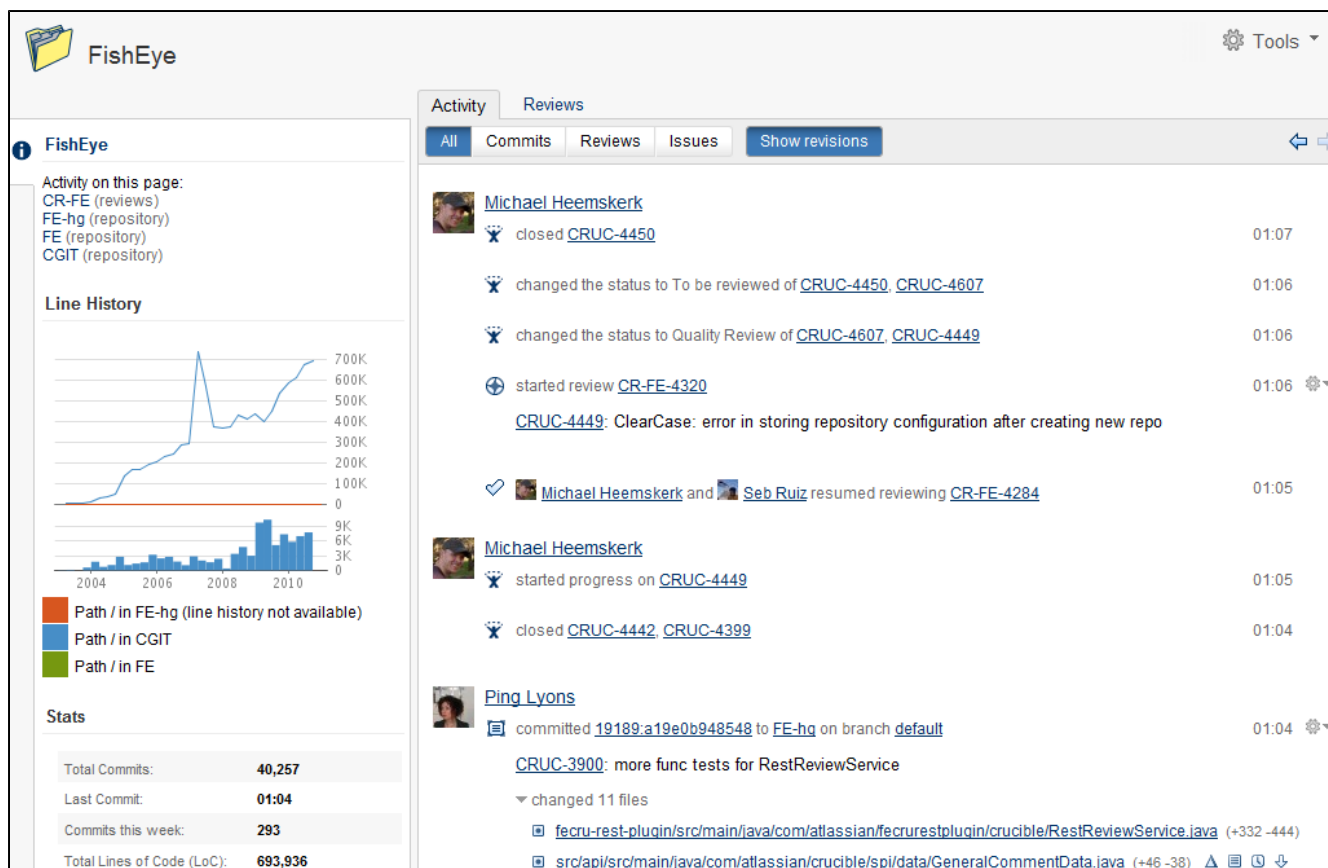
This page explains the layout of the Project Summary page.

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.

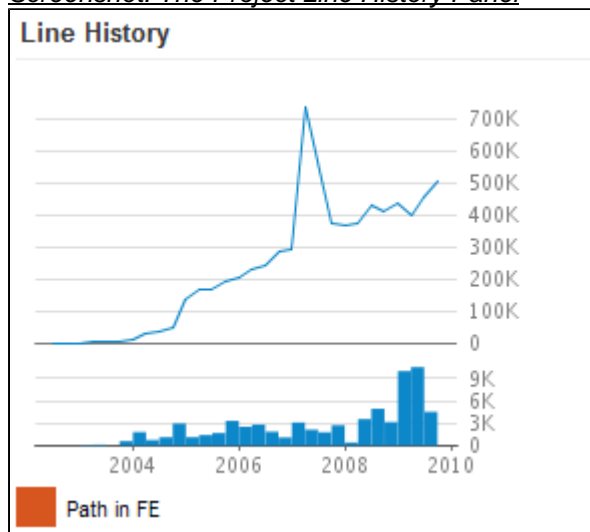
Project Name Panel

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.

Screenshot: The Project Line History Panel



Project Stats Panel

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

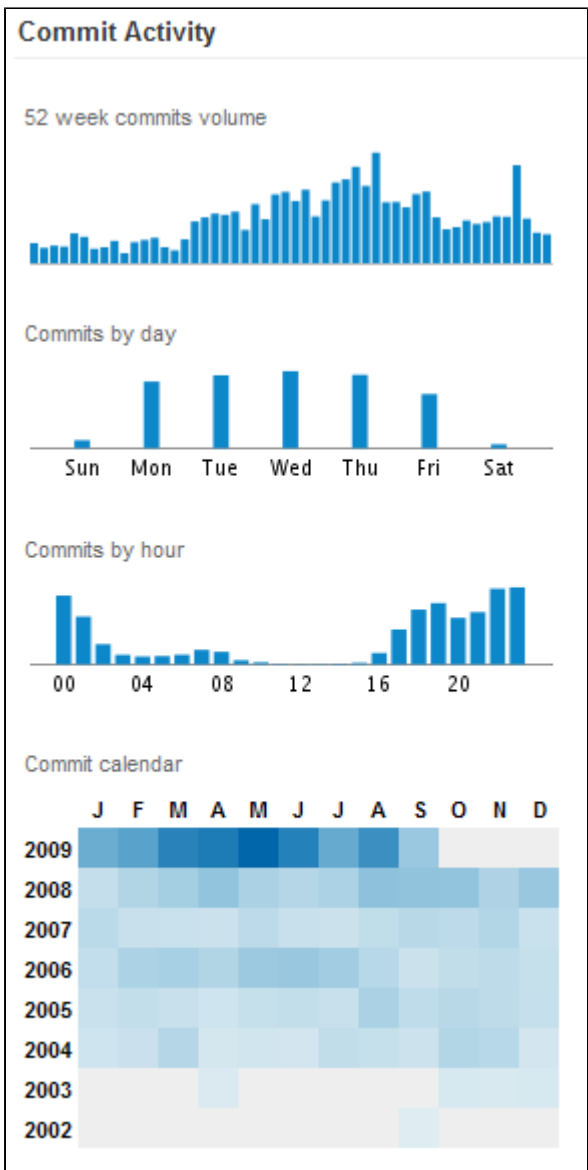
time.

Screenshot: The Project Stats Panel

Stats		
	Last Week	All Time
Commits:	137	16,033
Files changed:	543	69,896
Lines changed:	33,543	504,583

Project Commit Activity Chart

This panel contains a number of charts:

Chart	Description
<p>Commit Activity</p> 	<p>52 week commits volume This chart shows the amount of commits, shown by week over a one year period.</p> <p>Commits by day This chart shows the amount of commits, graphed by day over the past week.</p> <p>Commits by hour This chart shows the amount of commits, graphed by hours over the past day.</p> <p>Commit calendar This chart shows the amount of commits (shown as darker colours to indicate more commits) graphed by month, over years that the repository has been running.</p>

Changing your User Profile

See [Changing your User Profile](#) in the FishEye documentation.

Using favourites

This page describes how to use 'favourites' in Crucible.

You can add code reviews, people and repositories to your favourites. This allows you to customize the information that you see in your [activity stream](#). Try favouriting items that you are currently working on, to get greater relevance and context in your activity stream.

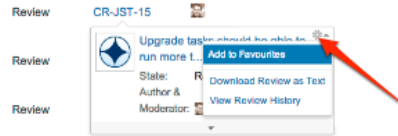

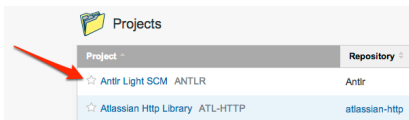

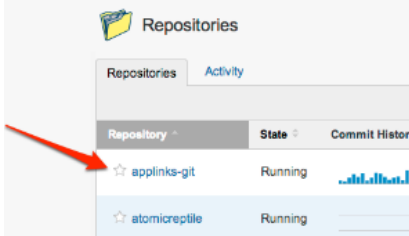
You can view all your favourites at once in your profile – choose **Favourites** from your User menu (the one with your avatar).

On this page:

- [Adding favourites](#)
- [Managing favourites](#)

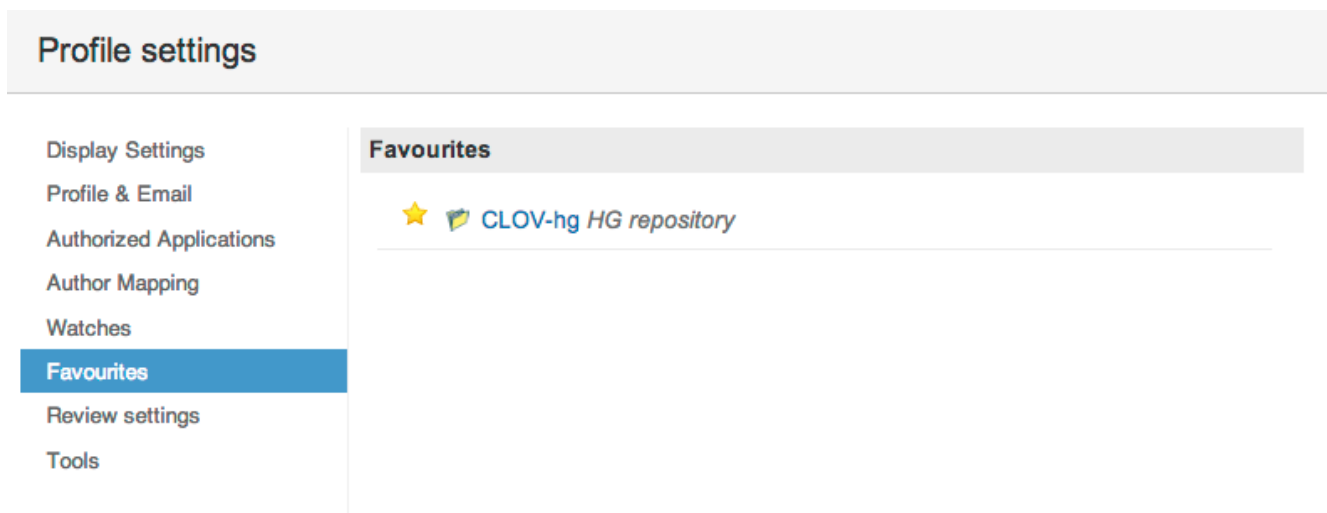
Adding favourites

To add an item to your favourites, follow one of these options:

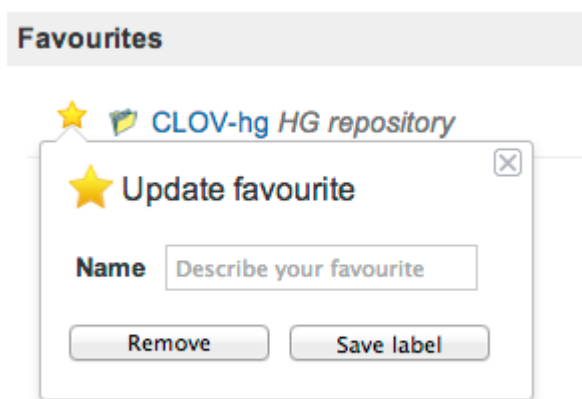
Item	Favourite it by...	Looks like this...
Review	<p>Hover over the review name, for example in the 'Open Reviews' list of the Reviews Dashboard.</p> <p>In the popup, click the cog icon and choose Add to Favourites.</p>	 <p>The screenshot shows a review titled 'CR-JST-15' with a dropdown menu open. The menu options are 'Add to Favourites', 'Download Review as Text', and 'View Review History'. A red arrow points to the 'Add to Favourites' option.</p>
Review comment thread	<p>Click the grey star in the first comment of the comment thread.</p>	 <p>The screenshot shows a comment thread. The first comment by 'Piotr Święcicki' has a grey star icon next to it. A red arrow points to the star icon.</p>
Project	<p>Click the grey star beside the project's name in the 'All Projects' list. See Browsing projects.</p>	 <p>The screenshot shows a list of projects. The first project, 'Antr Light SCM', has a grey star icon next to its name. A red arrow points to the star icon.</p>
Person	<p>Hover over a person's username and click Follow.</p>	 <p>The screenshot shows a user profile for 'Liang Zheng'. A red arrow points to the 'Follow' button.</p>
Repository	<p>(Requires FishEye)</p> <p>In the 'Repositories' list, click the grey star beside the repository's name. See Browsing source files.</p>	 <p>The screenshot shows a list of repositories. The first repository, 'aplinks-git', has a grey star icon next to its name. A red arrow points to the star icon.</p>

Managing favourites

You can manage your favourites from your profile in Crucible – choose **Favourites** from your User menu (the one with your avatar):



Click the star beside a favourite to change its label or to delete it:



Using Keyboard Shortcuts in Crucible

To see the available shortcuts, navigate to a review in Crucible, then choose **Tools > Keyboard Shortcuts**.

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
,	(Comma) Go to the previous element (file, comment, defect or diff hunk depending on your current context)
.	(Period) Go to the next element (file, comment, defect or diff hunk depending on your current context)

Comment navigation

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
l	Go to next thread (skips replies)
h	Go to previous thread (skips replies)
]	Go to next unread comment
[Go to previous unread comment
r	Reply to a comment
m	Toggle comment read/unread status

File navigation

Key	Function
j	Go to the next element (file, comment, defect or diff hunk depending on your current context)
k	Go to the previous element (file, comment, defect or diff hunk depending on your current context)
shift + k	Go to first file
shift + j	Go to last file
u	Go to next unreviewed file
i	Go to previous unreviewed file
y	Set file reviewed and go to next unreviewed file
shift + y	Toggle file reviewed/unreviewed status
e	Expand current file
c	Collapse current file
shift + e	Expand all files
shift + c	Collapse all files

The Crucible workflow

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

On this page:

[Crucible Workflow](#)

[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](#)

Roles

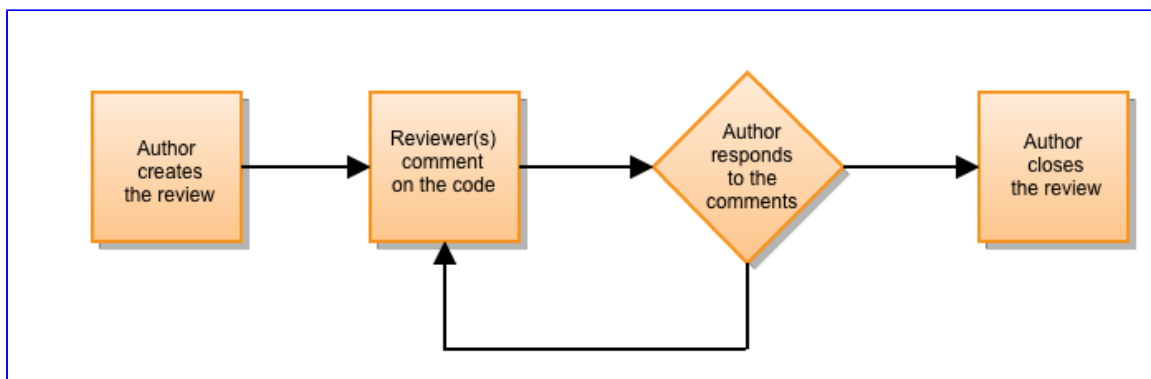
Crucible is a flexible application that caters for a wide range of team sizes and work styles. You will need to know about the basic roles used in Crucible:

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

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.

Diagram: Workflow for One-to-One Reviews



Need more information? Read more about the different forms of [workflow in Crucible](#).

Next, we explore an example workflow for a two-person code review in Crucible.

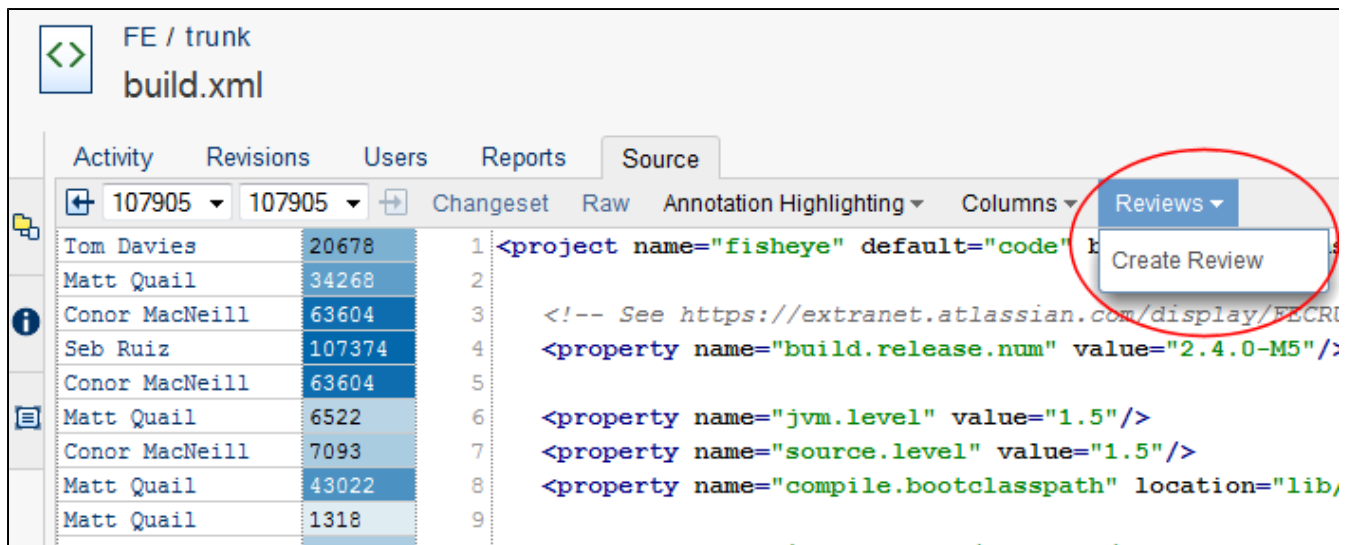
Example workflow: Two participant code review

This section describes a one-to-one review involving two people. In this example, the code author wears "two hats", acting as [review creator](#), and [code author](#), managing the review process as well as taking final responsibility for closing the review. The second person is the reviewer.

1. The author starts the review

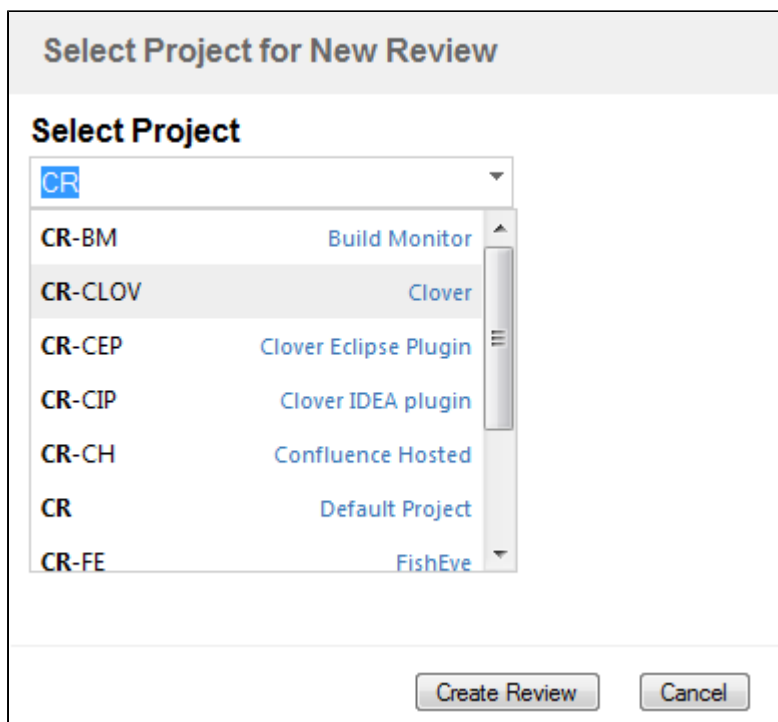
To begin, the code author sets up the review. There are a [number of ways to do this](#), but for this example, the author starts from the FishEye source view of the file he wants to review:

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 [Adding content to the review](#).

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

Screenshot: A new Crucible review

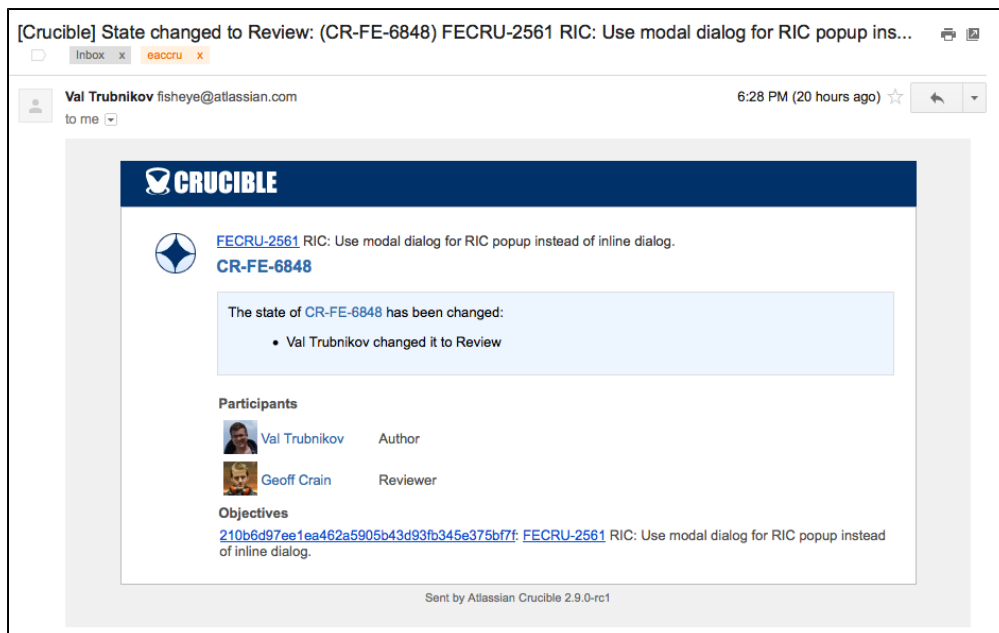
The draft review opens. In the draft stage, the author can check the contents of the review files to ensure they are correct and put in any notes for reviewers as comments. During the draft phase, no notification emails are sent out to reviewers. Once the author is finished with the draft phase, he clicks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

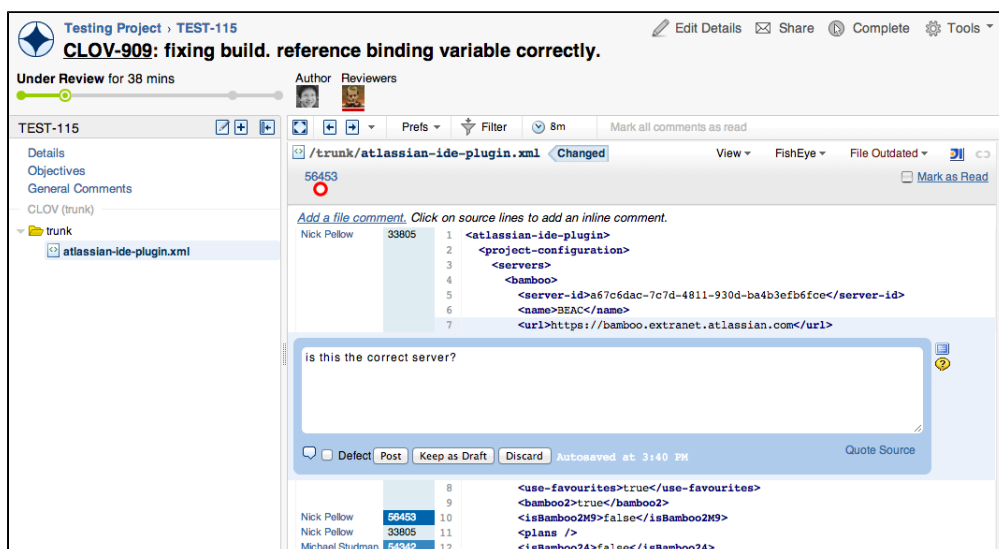
The reviewer will receive an email from Crucible with a link that they can follow to the review.

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



The Review screen displays the source files that are under review. The reviewer clicks file names to see the code to be reviewed. As the reviewer reads the changes, they can [add comments](#):

- Click **Add a general comment** (under 'General Comments' on the Review screen) to comment on the overall review.
- Click **Add a file comment** (just above the source code listing) to add a general comment about a source code file.
- Click on any line in the source file to enter a comment there (multiple lines can be selected by clicking and dragging).

The reviewer clicks **Post** to add the comment to the review.

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.

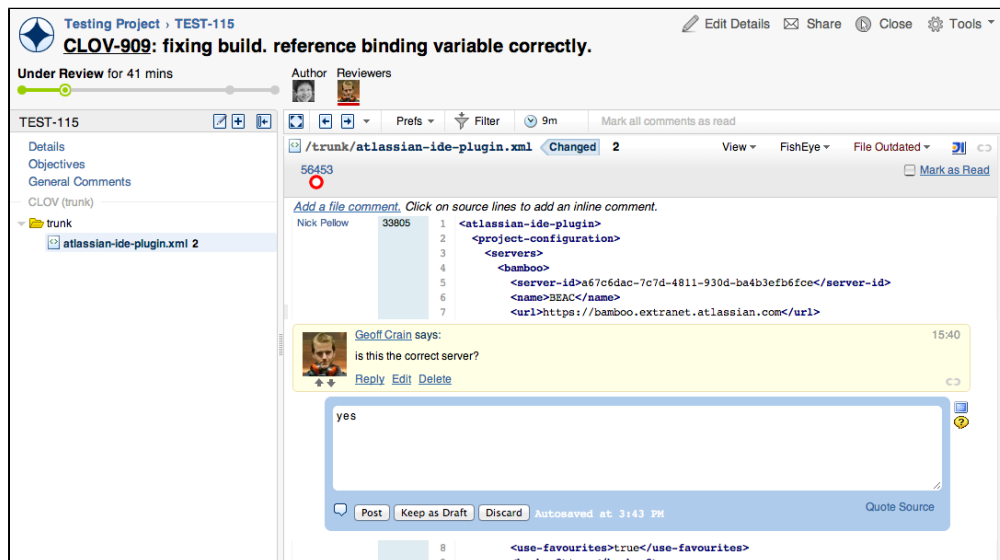
When the reviewer has finished their code review work, they click **Complete**.

i By default, an email is sent to participants every time a comment is posted. This is an individual setting. Each reviewer can [configure their own profiles](#) 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



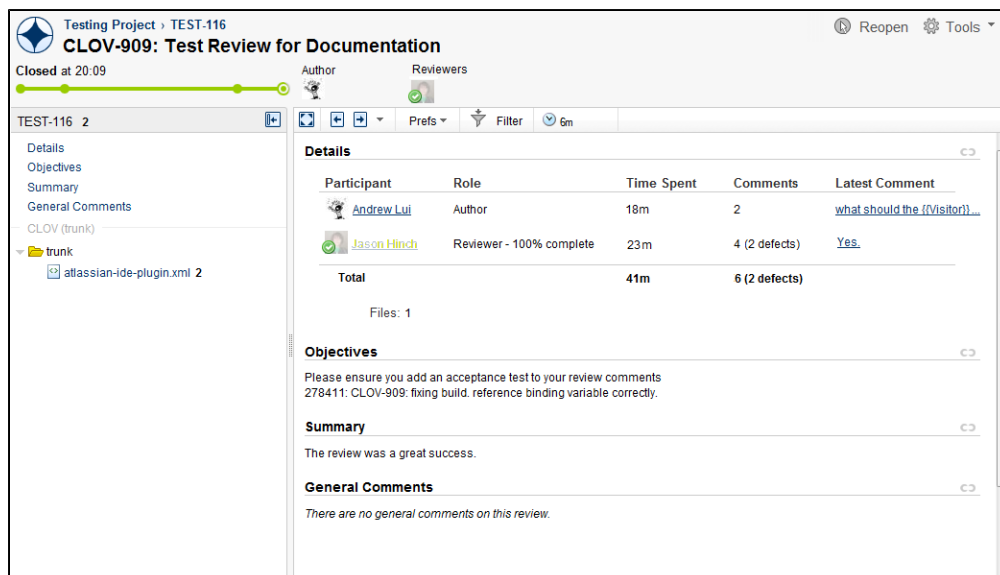
4. The author closes the review

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 can then add any final comments, and 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. This returns the status of the review to "Open", without changing the status of existing reviewers. Click **Edit Details** to add reviewers or to change other details of the review.

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

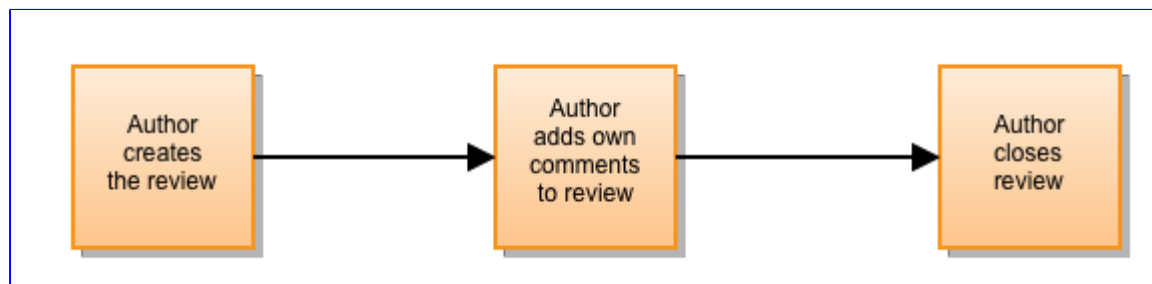
which suits your team.

- [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.

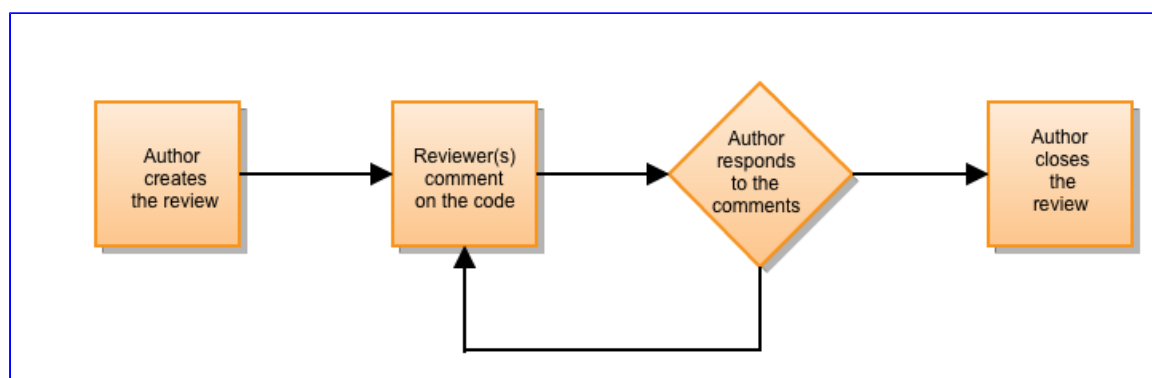
Diagram: Workflow for Lightweight Code Commenting



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



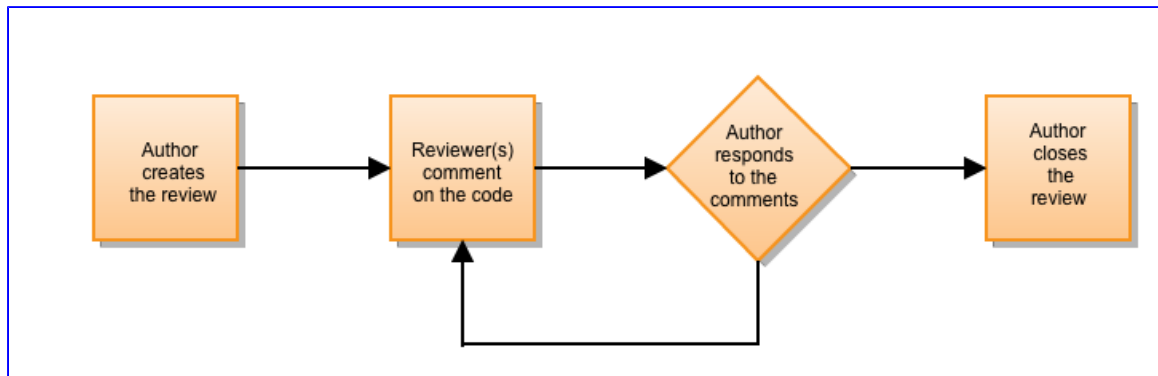
For more information on one-to-one reviews, see [The Crucible workflow](#). The workflow process in Crucible is covered in detail within this document.

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

1. [Author](#) creates the review.
2. Author invites [reviewers](#) 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.

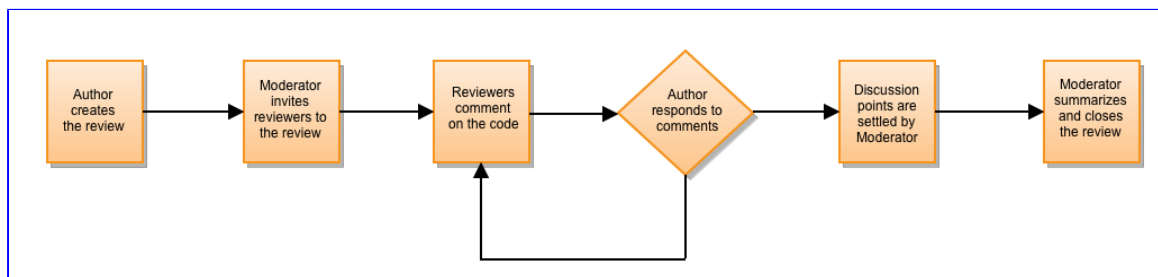
Diagram: Workflow for One-to-Many Reviews



Formal Group Reviews (CMM Team)

1. **Author** creates the review.
2. **Moderator** invites **reviewers** to take part in 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](#).

Roles and Status Classifications

This page explains the roles and 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 *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.

Creator/Moderator

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

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.

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.

Creating a review

This page provides an overview of how to create a review in Crucible.

More information about the stages in creating a Crucible review can be found on these pages:

- [Add content to the review](#)
- [Choose reviewers](#)
- [Perform the review](#)
- [Summarise and close the review](#)

You can also create Crucible reviews in these other ways:

- [Creating a review from FishEye](#)
- [Creating a review from JIRA](#)
- [Creating a review from a URL](#)
- [Creating a Snippet Review](#)
- [Creating reviews from the command line](#)

 Note that only people with the 'Create' [permission](#) can create a review.

On this page:

- [Create a new review](#)
- [Add content to the review](#)
- [Edit the review details](#)
- [Considerations when creating reviews](#)

Create a new review

Within Crucible, create a new review by clicking **Create review** in the header. Select the project for the review (if you have multiple projects), and click **Create Review**.

Add content to the review

In the 'Add Content to Review' dialog, click one of the options to choose files or changesets for review. Crucible supports post-commit and pre-commit review types – these simply depend on the type of content you add to the review:

- **Post-commit reviews** – You want code changes that have already been committed to the SCM to be reviewed. In Crucible, you can browse and search for files or changesets in the SCM, which you then add to the review. Crucible can suggest files that should be considered for review, based on recent activity.
- **Pre-commit reviews** – You want code changes that have not yet been committed to the SCM to be reviewed. You need to [create a patch file](#) for the code changes and then, in Crucible, [add the patch](#) to the review.

See [Adding content to the review](#) for more details.

Browse Changesets – browse for SCM changesets	
Explore Repositories – browse for SCM files	
Search for Files – or changesets, in the SCM	
Suggest Files – get Crucible to suggest files	
Pre-commit – upload patch files	
Attachments – upload any type of file	

Note that Crucible supports [iterative](#) reviews – for both post-commit and pre-commit reviews you can update the

review with new versions of files, and changesets, created after the review was started. Crucible allows the reviewer to see the different versions of updated files, so they can understand the changes that have been made.

Add Content to Review CR-ANERDS-92

Repository:
Branch:
Add to Review as:

User:
Commit message / Issue key:

Remove all revisions from review

Monday 06 Jun 2011

Matthew Watson

3a50087
changed 1 file

ANERDS-7-tagging
CR-ANERDS-25
CR-ANERDS-61
CR-ANERDS-67

Added tag 1.1.0 for changeset 880f20affd1c

1:44 am

1f36848
changed 1 file

ANERDS-7-tagging
CR-ANERDS-54
CR-ANERDS-61
CR-ANERDS-67

Added tag ANERDS-5-fix for changeset 6839b93ed721

7:41 am

Thursday 26 May 2011

jstepka

880f20a
changed 3 files

default
CR-ANERDS-61

Adding a project readme

6:43 pm

Wednesday 25 May 2011

Matthew Watson

a7141b9
changed 1 file

ANERDS-3-integration
CR-ANERDS-9
CR-ANERDS-54

ANERDS-3: Merge latest changes from default

11:07 am

Click **Edit Details** to move to the next stage.

Edit the review details

In the Edit Review dialog you can set information for the review, including:

- a title and description for the review
- reviewers (as a mix of individual users and groups) - see [Choosing reviewers](#)
- objectives for the review
- a due date
- a reminder date
- the keys for linked reviews (if any)
- the keys for related JIRA issues (if any).

The project, moderator and author are pre-selected.

Edit Review Details CR-ANERDS-91


Project: CR-ANERDS
Title: **Test review**
Author: Paul Watson
Reviewers: [Suggest reviewers...](#) ☐ Allow anyone to join

Objectives:


Due Date:
Send Reminder: working day before ([remove](#))
Linked Review: [Link](#)
Linked Issue: [Link](#)

Add Content Abandon Review Start Review Done

Once you're finished, click **Done**.


Angry Nerds Reviews
CR-ANERDS-91

Edit Details Start Review Share Tools

DRAFT for a few seconds | due in 6 days Author 

Test review

CR-ANERDS-91


This review is in edit mode

Here you can edit files already in your review

- Click the red 'x's to remove files and revisions
- Click the 'Add Revisions' menu item in a file's toolbar to add newer (or older) revisions

Details
Objectives
General Comments
Number of files included: 1
angrynerds (ANERDS-7-tagging)
.hgtags x

Details

Participant	Role	Time Spent	Comments	Latest Comment
 Paul Watson	Author	9m		
Total		9m	0	

Objectives [Edit](#)

No objectives entered. Objectives let your reviewers know what the goals of the review are and guide their feedback. [Add some objectives.](#)

Commits

Commit	Author	Date	Comment
--------	--------	------	---------

General Comments

There are no general comments on this review. [Add a general comment.](#)

The review will be displayed in draft mode. 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.

See [Performing the review](#).

When all the reviewers have performed their reviews, you can [summarise and close](#) the review.

Considerations when creating reviews

Review effectiveness

Based on our own experience of over 13000 reviews, we have found that reviews with fewer files and reviewers are more effective. We have seen effects such as:

- Time spent reviewing each file decreases as the number of files increases.

- Reviewers spend less time reviewing as the number of reviewers increases.
- Reviewers find fewer defects as the number of reviewers increases.

This suggests that reviews should be created with care to get the best value from them:

- Avoid overloading the review. Reviews should be focussed on just a few necessary files.
- Avoid overcrowding the review. Reviewers should be selected with care, and should be guided individually on what to look for.

Crucible performance

The performance of a Crucible instance can be seriously degraded if very large reviews are created.

To prevent a user from accidentally causing this, Crucible has a limit on the review content size when creating reviews. The limit is 800 file revisions.

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 and not is deleted", or similar logic.

i 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. Create 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.

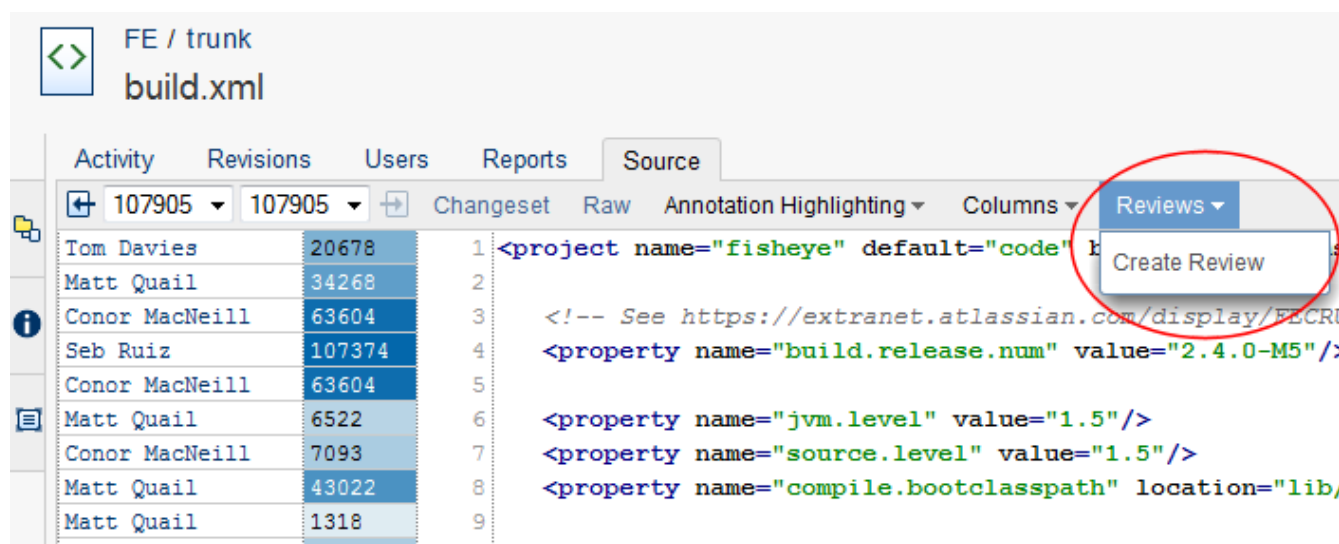
To navigate to the Source view for a file:

1. Click **Repositories** in the toolbar and choose a repository.
2. Use the file tree to navigate to the file to be reviewed.
3. Click the **Source** tab.

2. Create the review

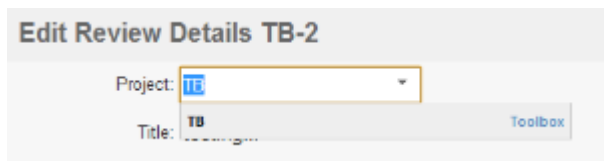
To create the review:

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



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 [JIRA](#), the Atlassian issue-tracking application.

? JIRA must be integrated with *both* FishEye and Crucible before you can do this.

See [Linking Crucible to JIRA](#) for information on how to set up an application link with JIRA.

See also [Creating JIRA issues from the review](#).

When using Crucible with JIRA 6.2.x and later

If your instance of Crucible (version 3.3 or later) is linked to JIRA 6.2 (or later), then you can start creating a review from a JIRA issue.

To create a review from a JIRA issue:

1. Go to the JIRA issue that relates to the work to be reviewed.
2. Click the **commits** link in the Deployment panel.
3. Click the **FishEye / Crucible** tab.
4. Start the process for creating a review for either a single commit, or for all the commits related to the JIRA issue.
5. In Crucible, the new review is in edit mode:
 - The content of the changeset becomes the content (i.e. files) to be reviewed.
 - The author of the commit becomes the [author](#) of the review, if Crucible is aware of this user. Otherwise the [creator](#) of the review becomes the author.
 - The [creator](#) of the review becomes the [moderator](#).
 - The commit log message is used as both the Title and [Statement of Objective](#).
6. Choose **Tools > Start Review**, in Crucible, when you are ready.

When using Crucible with JIRA 6.1.x and earlier

If you have Crucible linked to a version of JIRA earlier than 6.2 (or if you have instances of Crucible 3.2, or earlier, linked to JIRA 6.2, or later), the integration functionality continues to behave as previously.

▼ [Click here if you're using JIRA 6.1 or earlier...](#)

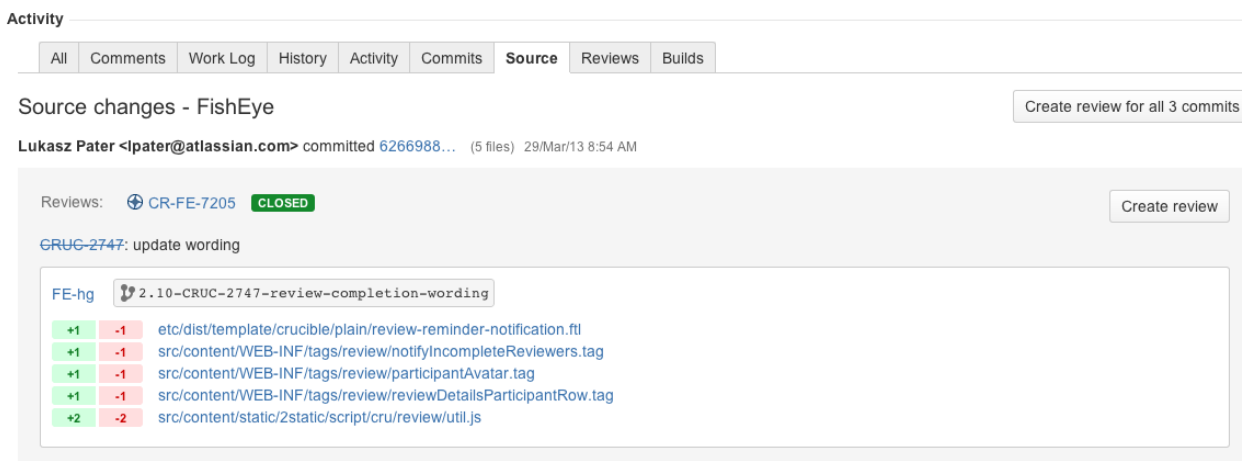
When Crucible is linked with JIRA 6.1.x, or earlier, Crucible content appears on the **Reviews** tab (and FishEye content appears on the **Source** tab) in JIRA.

To create a review from a JIRA issue:

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 **Create review** to create a new review for a particular changeset.
 - b. Click **Create review for all commits** to include all changesets from the JIRA issue in the new review.
4. If a similar review already exists, you can add the changesets to that.
5. In Crucible, the new review is in edit mode:
 - The content of the changeset becomes the content (i.e. files) to be reviewed.
 - The author of the changeset becomes the [author](#) of the review, if Crucible is aware of this user. Otherwise the [creator](#) of the review becomes the author.
 - The [creator](#) of the review becomes the [moderator](#).
 - The commit log message is used as both the Title and [Statement of Objective](#).
6. Choose **Tools > Start Review**, in Crucible, when you are ready.

The next step is to [add reviewers](#).

Screenshot: Adding a review from within JIRA



Creating a review from a URL

You can set up a URL that 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 [projects](#) 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 [author](#) of the review, if Crucible is aware of this user. Otherwise the [creator](#) of the review becomes the author.
- The [creator](#) of the review becomes the [moderator](#).
- The commit log message is used as both the Title (unless you have explicitly defined a title in your URL) and [Statement of Objective](#).

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

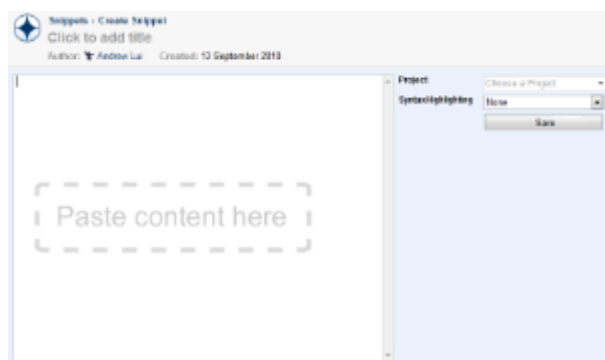
This page explains how to create a simple code review using the Crucible Snippet Review feature. Snippet Reviews are designed to be lightweight ad-hoc code reviews.

To create a snippet review:

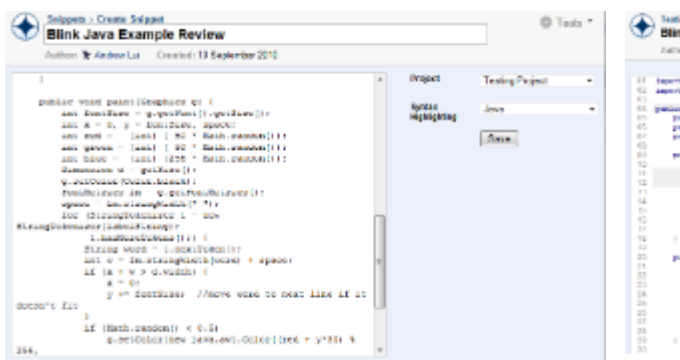
1. Copy the code to be reviewed from the source to your system clipboard.
2. Click **Create snippet** from the **Create review** menu in the Crucible toolbar.
3. Enter details for the snippet review:
 - Paste the code into the panel, where indicated.
 - Click on **Click to add title** near the top to 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 from 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.

You can see your own snippets, or everyone's snippets, by choosing **Reviews > Review dashboard**. See [Searching Crucible](#) for information about filtering snippet reviews.

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



Step 1



Step 2

Creating reviews from the command line

You can use the Review CLI tool to create reviews in Crucible, for patches and commits, directly from your terminal. It takes the uncommitted changes in your workspace and creates a review for them in Crucible. The Review CLI tool may be especially useful if:

- you often create pre-commit reviews
- you want to submit a diff from an external tool for review

You can use the tool on Windows, Linux and Mac OS X, for repositories that are managed in:

- Subversion
- Perforce
- Git
- Mercurial
- CVS

The tool supports Crucible 3.0, and later versions. Python 2.7 must be installed on your local machine (Python 3 is not supported).

You can use the tool to create new reviews, and to update existing reviews with new patches.

Known limitations

- The CLI tool does not yet allow you to create a review for an existing commit.
- The CLI tool takes all the files that have been modified, added or removed in the working copy and submits those for review. It doesn't support choosing only files associated with a specific changeset.

- You can only use the CLI tool to create reviews in projects for which you already have review create [permission](#).

On this page:

- [Installing the Review CLI tool](#)
- [Python](#)
- [Using the Review CLI tool](#)

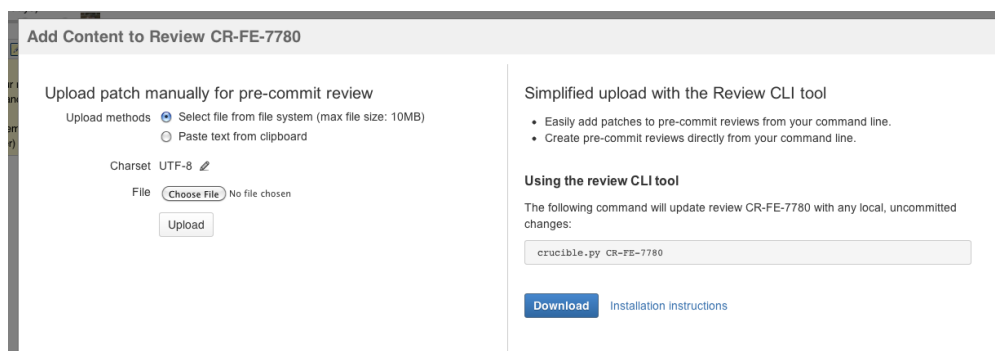
Related pages:

- [Creating a review](#)
- [Adding content to the review](#)

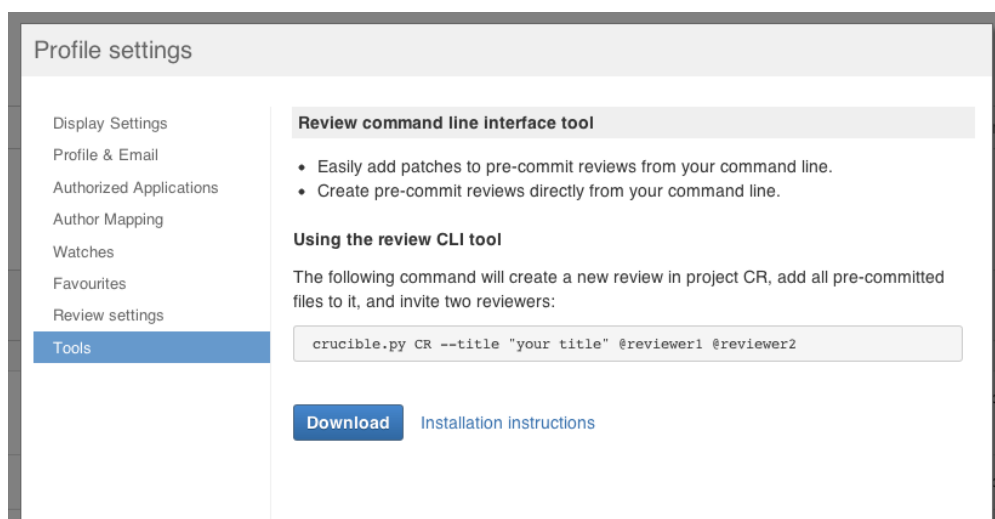
Installing the Review CLI tool

Download the Review CLI tool from either of the following locations in Crucible:

- When creating a review, click **Pre-commit** in the 'Add Content to Review' dialog, then click **Download**:



- Choose **Profile settings** from your user menu, and then **Tools**. Click **Download**:



The script comes pre-configured for the user for the given SCM server.

Copy the script to a location somewhere in your system path, for greatest ease of use.

Python

Python 2.7 is required.

Linux

Python 2.7 should come with your distribution. If not, or if 2.7 isn't installed, you will need to install the appropriate package. Please refer to your package manager for the appropriate version.

Windows

You can install Python by running the latest [Python 2.7 Installer](#) for Windows.

MacOS X

Python 2.7 should come with any modern version of MacOS X. You can also download Python 2.7 from <http://www.python.org/getit/>.

Using the Review CLI tool

To create a review using the Review CLI tool, run the script from a directory under SCM control that has local, uncommitted changes. The changes will be submitted to Crucible for review.

Call the script with the following command:

```
crucible.py <arguments list>
```

The Review CLI syntax is consistent with that for Crucible and FishEye [smart commits](#). Examples of syntax usage are provided in the following table:

Action	Syntax	Result
View usage help	<code>crucible.py --help</code>	Displays the help with descriptions of all the valid commandline arguments
Create a pre-commit review interactively	<code>crucible.py</code>	Gets the patch from the current SCM, prompts for the project and review title, and creates a draft review
Create a pre-commit review with a given project and title	<code>crucible.py -m "the review title" CR-FE</code>	Gets the patch from the current SCM, creates a draft review in the CR-FE project with the given title
Create a pre-commit review with moderator and reviewers	<code>crucible.py CR-FE @matt @joe --moderator ted</code>	Gets the patch from the current SCM, creates a review in the CR-FE project, adds matt and joe as the reviewers and ted as a moderator, starts the review
Create a pre-commit review anchored to a specific repository	<code>crucible.py -r rep01</code>	Creates a pre-commit review interactively, trying to anchor the patch to the given repository
Add a patch to a review	<code>crucible.py CR-FE-1204</code>	Gets the patch from the current SCM and adds it to the review CR-FE-1204
Create a review from diff output	<code>hg diff crucible.py</code>	Creates a pre-commit review interactively, taking the output of the first command as a patch
Create a review from a diff file	<code>crucible.py -f file.diff</code>	Creates a pre-commit review interactively, taking the output of the patch from the given file

Adding content to the review

This page explains how to add content, such as files and changesets, to a Crucible review. The procedure depends on whether you are setting up a post-commit or pre-commit review:

- Post-commit reviews – You want code changes that have already been committed to the SCM to be

reviewed. In Crucible, you can browse and search for files or changesets in the SCM, which you then add to the review. Crucible can suggest files that should be considered for review, based on recent activity.

- Pre-commit reviews – You want code changes that have not yet been committed to the SCM to be reviewed. In Crucible, you need to [add patch files to a pre-commit review](#).

Related pages:

- [Creating a review](#)
- [Iterative reviews](#)
- [Choosing reviewers](#)
- [Performing the review](#)


Note that Crucible supports 'iterative' reviews – for both post-commit and pre-commit reviews you can update the review with new versions of files, and changesets, created after the review was started.

On this page:

- [General procedure](#)
- [Selecting changesets for review](#)
- [Selecting repository files for review](#)
- [Searching for files to review](#)
- [Adding patch files to a pre-commit review](#)
- [Adding attachments to a review](#)
- [Choosing the way files are added to the review](#)

General procedure

To add content to a review:

1. Log in to FishEye/Crucible and either;
 - Create a new review, as described on [Creating a review](#), or
 - Open an existing review, for which you are the [creator](#) or [moderator](#), and click the Add Content () button.
2. In the 'Add Content to Review' dialog, click an option for how you wish to add content to the review, and then follow the instructions in the relevant section below:

Post-commit reviews	
Browse Changesets	Allows you to choose changesets from a Source Code Management (SCM) repository. See Selecting changesets for review below.
Explore Repositories	Allows you to browse for files in a SCM repository. This option only appears when FishEye is installed. See Selecting repository files for review below.
Search for Files	Allows you to search a SCM repository for files or changesets. This option only appears when FishEye is installed. See Searching for files to review below.
Pre-commit reviews	
Pre-commit	Allows you to upload patch files to a review. See Adding patch files to a pre-commit review below.
All reviews	
Attachments	Allows you to upload any file to a review, including binary files and files outside of a SCM repository. See Adding attachments to a review below.

3. Click **Done** to save your changes, without starting the review.

Selecting changesets for review

Click **Browse Changesets** in the 'Add Content to Review' dialog to add SCM changesets to your review.

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 dialog:

Repository	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	A list of all the authors 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.
Commit message	Filter for specific commit messages.
Add to Review as	Choose the form of the review. See Choosing the way files are added to the review below.
Scroll to changeset	Allows you to jump to a particular change set by entering its title and pressing Enter.


Select the checkbox next to a changeset ID to add the entire changeset. Note that:

- 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 svnprops changes (i.e. it has no non-metadata changes). For details, see [How do I force reviews to include SVN property changes?](#)

Add Content to Review TEST-323

Repository: <input type="text" value="atlassian"/>	Author: <input type="text" value="any"/>	<input type="button" value="Apply"/>
Branch: <input type="text" value="any"/>	Commit message: <input type="text" value="any"/>	
Add to Review as: <input type="button" value="Diffs"/>	Remove all revisions from review	

Sunday 20 Mar 2011

<input type="checkbox"/>	 Matthew Watson 40930 added 1 file trunk FOUR-24 Moved to atlassian account on bitbucket	9:22 pm
<input type="checkbox"/>	40929 added 1 file trunk FOUR-24 Moved to atlassian account on bitbucket	9:21 pm
<input type="checkbox"/>	40928 added 1 file trunk Moved to atlassian account on bitbucket	9:18 pm
<input type="checkbox"/>	40927 added 1 file trunk Moved to atlassian account on bitbucket	9:18 pm
<input type="checkbox"/>	40926 added 1 file trunk Moved to atlassian account on bitbucket	7:56 pm
<input type="checkbox"/>	40925 changed 1 file trunk Moved to atlassian account on bitbucket	7:51 pm

Selecting repository files for review

Click **Explore Repositories** on the 'Add Content to Review' dialog to browse the SCM repositories for files to add to your review:

- By default, the folders are sorted by path name but they can also be sorted by last-commit or first-commit.
- To select a particular revision of a file, select **Load full history...** from the revision number list. This will refresh the available options in the list.

Note that:

- Empty folders are greyed out.
- The 'Cog' menu has options to **Hide empty directories** and to **Hide deleted files**.

Add Content to Review TEST-323

Repository: atlassian

Add to Review as: Remove all revisions from review

Files in atlassian/

NAME	REV
<input checked="" type="checkbox"/> admin.vm	39123 by jhatherly
<input checked="" type="checkbox"/> config.vm	39123 by jhatherly

Buttons: Add More Content Edit Details Abandon Review Start Review Done

Searching for files to review

Click **Search for Files** on the 'Add Content to Review' dialog to search for files to add to your review.

⚠ Search is only available when using **FishEye** with Crucible.

Adjust the search filters to find the files you need. If the simple filters are not enough, consider using [EyeQL queries](#).

Read more about [searching your repositories](#) in the FishEye documentation.

Add Content to Review TEST-323

Repository: atlassian

Add to Review as: Remove all revisions from review

Search in atlassian/

Search Criteria (Switch to Advanced Search)

☐ Search all directories

☒ Only most recent versions

Comment:

Contents:

Added text:

Deleted text:

File name:

(Use Ant-globs)

Author, Tags, Branch, Date, and more [\[show \]](#)

Search Results 1 2 3 4 5 6 7 ... 82

[Add revisions on this page](#) | [Add all 2439 revisions](#)

1 by admin (7 years and 5 months ago) | [show diffs](#)

Initial Layout

☐ 1 ☐ (+0) new

15892 by sleberrigaud (5 years ago) | [show diffs](#)

Creating the Crucible dir on public

☐ crucible 15892 ☐ (+0) new

15893 by sleberrigaud (5 years ago) | [show diffs](#)

Creating the Crucible plugins dir on public

☐ crucible/plugins 15893 ☐ (+0) new

15894 by sleberrigaud (5 years ago) | [show diffs](#)

Creating the Crucible plugin test resources dir on public

☐ crucible/plugins/crucible-plugin-test-resources 15894 ☐ (+0) new

15896 by sleberrigaud (5 years ago) | [show diffs](#)

Creating the tags directory

Buttons: Add More Content Edit Details Abandon Review Start Review Done

Adding patch files to a pre-commit review

Click **Pre-commit** on the 'Add Content to Review' dialog to add previously created patch files to a pre-commit review.

Choose an upload method:

Select file from the file system	Charset – click the edit icon (✎) to choose the character set being used. UTF-8 is the default.
	Choose File – click to to browse for the file that you want to add to the review.
Paste text from clipboard	Patch text — paste your copied text in this text area.

For more information see [Creating patch files for pre-commit reviews](#).

Add Content to Review TEST-400

Upload patch manually for pre-commit review

Upload methods ☒ Select file from file system (max file size: 10MB)

☐ Paste text from clipboard

Charset [UTF-8](#) ✎

File [Choose File](#) No file chosen

[Upload](#)

Patch anchoring

A short-coming of patches for code review is the reduced context around code changes because the patch does not include all lines of code from the file. Crucible 'patch anchoring' overcomes this by searching for the relevant file content in the connected repositories, and automatically anchoring the patch to the trunk or the branch with the most recent commit activity. Crucible can then seamlessly display more context, as required.

See [Using Crucible patch anchoring](#) for more information.

Adding attachments to a review

Click **Attachments** on the 'Add Content to Review' dialog to add attachments to your review.

You can attach additional files to be used in the review, including binary files, images or code files that are not stored in a version control repository.

Charset	Click to choose the character set being used. UTF-8 is the default.
Choose File	Browse for a file that you want to add to the review.
Upload	Browse for a file that you want to use as the base of a diff with a previously attached file.

To add another iteration of a file, upload a different version of the file with the same filename. It will be added as a new version.

Add Content to Review TEST-323

Charset: UTF-8
 File (max 10MB): [Choose File](#) No file chosen
[Upload another file as the base of a diff](#)

Existing Attachments:
☒ Edge.java (1) pwatson

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** list:

Diffs	This is the default. This allows you to add multiple revisions of a file to one review and compare them in-review, in context with the change history.
Whole Files	Adds the entire file with all content, rather than just a diff with context.
Diffs to Last Branch Point	This adds files with a diff to the revision each file was last branched.
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.

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

Iterative reviews

Crucible supports iterative (cumulative, or incremental) reviews for both post-commit and pre-commit reviews. This allows you to update the review with new versions of files, and changesets (for post-commit reviews) or patches (for pre-commit reviews) that have been created after the review was started.

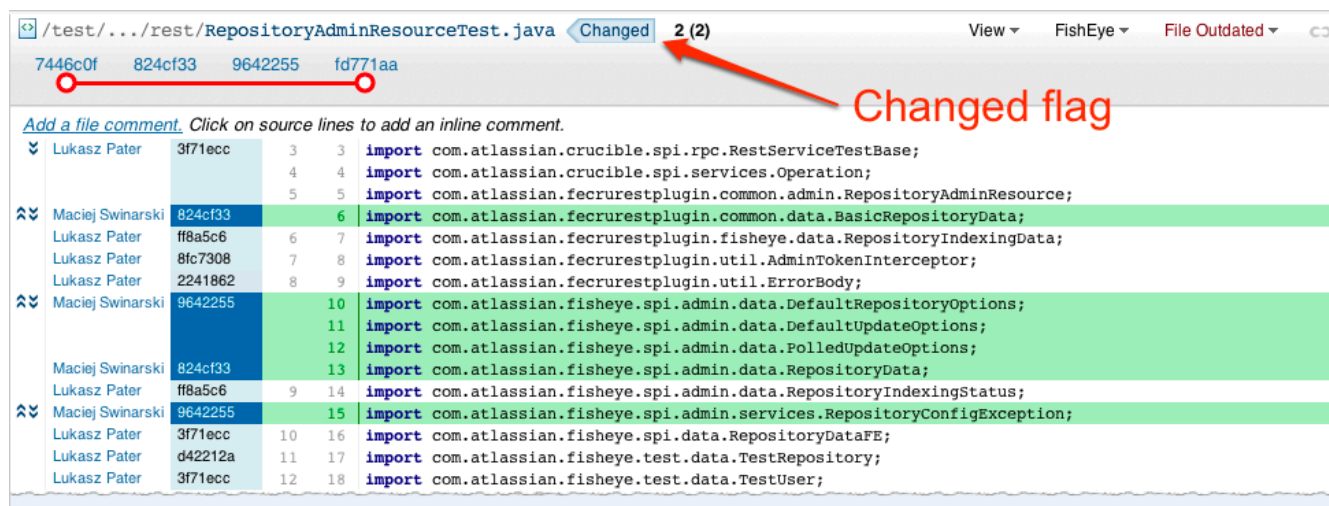
Iterative reviews allow your team to discuss changing code in the context of a single review. This lets the reviewers see all the related changes together, and to more easily keep track of comments and defects.

On this page:

- [Iterative post-commit reviews](#)
- [Iterative pre-commit reviews](#)
 - [Initial patch upload](#)
 - [Iterative patch uploads](#)
- [Viewing diffs](#)

Iterative post-commit reviews

To set up an iterative post-commit review, you [create a review](#), and [add content](#) to it, in the usual way. Crucible automatically recognises when files under review have been updated in the repository, and provides the option to add the revision to the review.



See [Viewing diffs](#) below for information about the slider and diffs.

Iterative pre-commit reviews

Pre-commit reviews make use of patch files that are uploaded to a review. Crucible allows revisions of patch files to be uploaded to the review, and can display diffs for files in the patches. This allows your team to set up and perform iterative pre-commit reviews.

See [Creating patch files for pre-commit reviews](#).

Initial patch upload

When uploading the initial patch for a review, Crucible must be able to anchor the patch to a repository if you subsequently want to upload patch iterations. If Crucible is unable to anchor the patch to a repository, you will only be able to upload the patches as separate files.

You upload the initial patch for a review in the usual way – see [Adding content to the review](#).

Iterative patch uploads


When you add a new iteration of the patch to the review, you can choose which previously uploaded patch it is a revision of. The new patch must be anchored to the same repository as an existing patch.

Note that you cannot add unanchored patches, even if they include full-context diffs. You can include an unanchored *file* in the anchored patch, however Crucible is unable to provide full context for that.

Add Content to Review CR-10

Upload patch manually for pre-commit review

Upload methods ☒ Select file from file system (max file size: 10MB)
☐ Paste text from clipboard

Charset UTF-8 

File No file chosen

Existing patches in CR-10

CR-10-patch-0.txt (8 minutes ago) - 2 iterations

▼ ☒ **CR-10-patch-0.txt:** (anchored to svnsample1 : /)

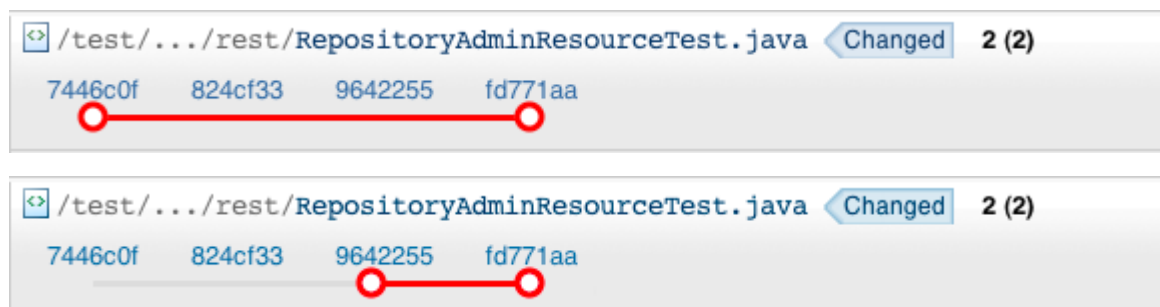
- ☒ trunk/file
- ☒ trunk/copied-and-modified
- ☒ trunk/to-be-modified
- ☒ trunk/moved-and-modified
- ☒ trunk/to-be-moved-and-modified
- ☒ trunk/copied-and-modifie2
- ☒ trunk/added
- ☒ trunk/to-be-removed
- ☒ Mainline/foo

► ☒ **CR-10-patch-1.txt:** (anchored to svnsample1 : /)

Viewing diffs

Crucible allows the reviewer to see the different revisions of a file within the same review. The 'slider' in the file view allows you to interactively select which revisions are compared in the displayed diff, and to see the full source content. Comments are connected to, and displayed with, a specific revision. This allows you to review every change that has occurred on a code file over a given range of commits, and lets you see the evolution of the file through various revisions (all within one Crucible review).

These screenshots show how, for a post-commit review, you can drag the slider 'handles' so as to display just the changes in the last commit:



Drag the 'handles' to the same commit to see the full source of that version of the file.

When viewing patch files in a pre-commit review, the slider displays the diff for the selected iterations, in a similar way to that for post-commit reviews. Each patch iteration is referred to as a 'working copy'.



Creating patch files for pre-commit reviews

This page describes how to create patch files from your local repository, how to attach them to a Crucible review and how to use Crucible's Patch Anchoring to retrieve more context from the original file.

A patch file is a portion of a source code file that contains the code changes that you have made – it's a diff that shows the differences between your working copy and the base revision.

A pre-commit review in Crucible allows a developer's code changes, in the form of a patch file, to be reviewed before those changes are committed to the SCM. A typical scenario is where the developer does not have write access to the repository. The developer creates the patch file and adds it to a Crucible review. Once reviewed, the patch is either committed to the repository or is sent back to the author.

You can create the patch file from your local repository:

- using tools in your IDE – described below
- using repository command-line tools
- using the Crucible Review CLI tool – see [Creating reviews from the command line](#)

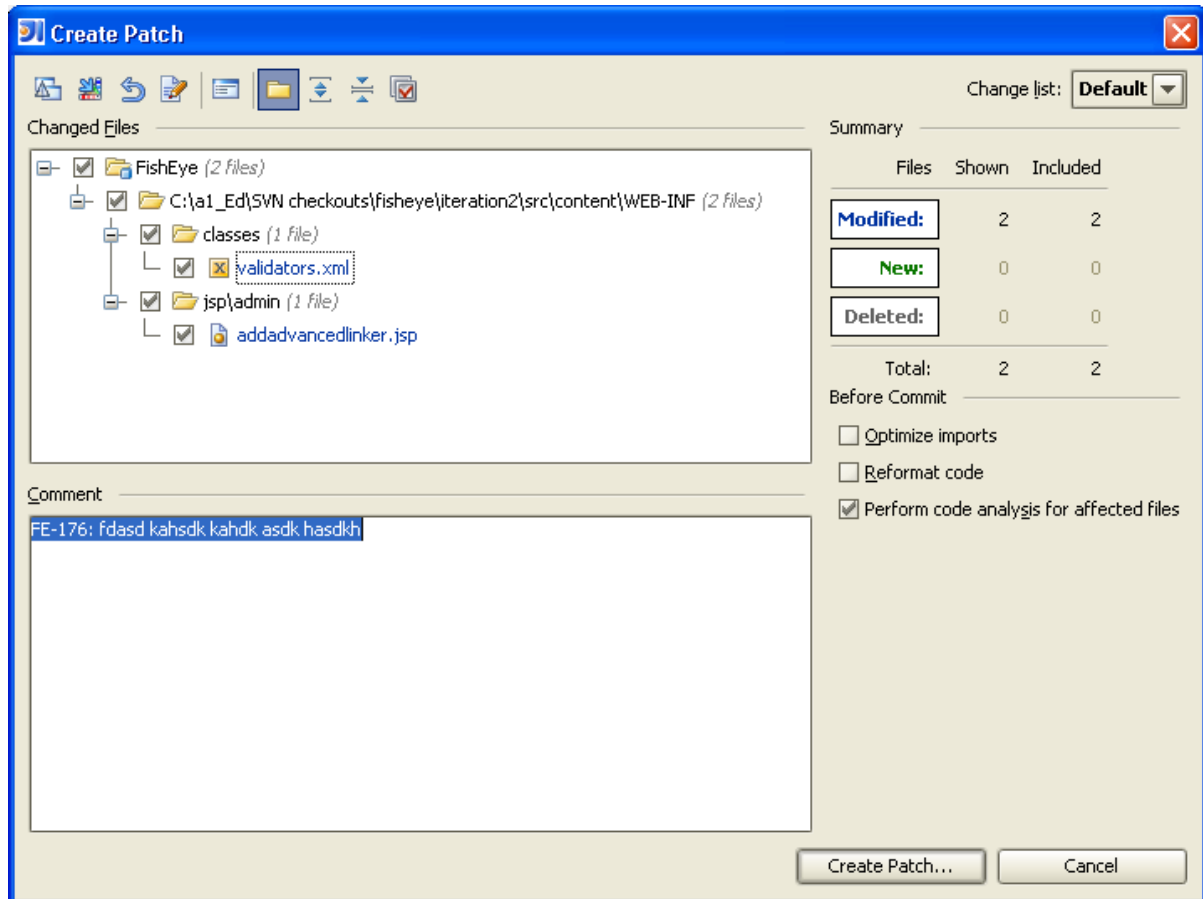
As an enhancement, Crucible's [patch anchoring](#) adds context:

- By default, patch files will only show a few lines of code surrounding each change, rather than the entire file and its changes. This feature overcomes this limitation.
- Note however that anchoring is done as an afterthought, and can be reverted.

On this page:

Creating a patch file from IntelliJ IDEA 7.0

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

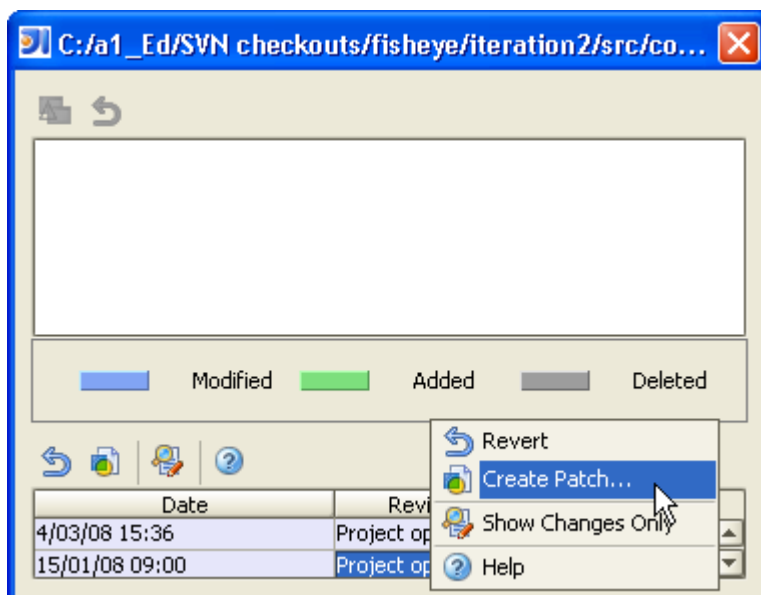


3. Click **Create Patch**, choose a location to save the patch file to, and click **OK**.

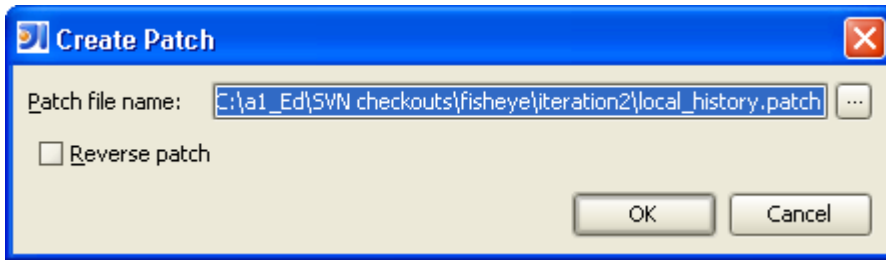
If you do not have the Create Patch command available in IDEA

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**.



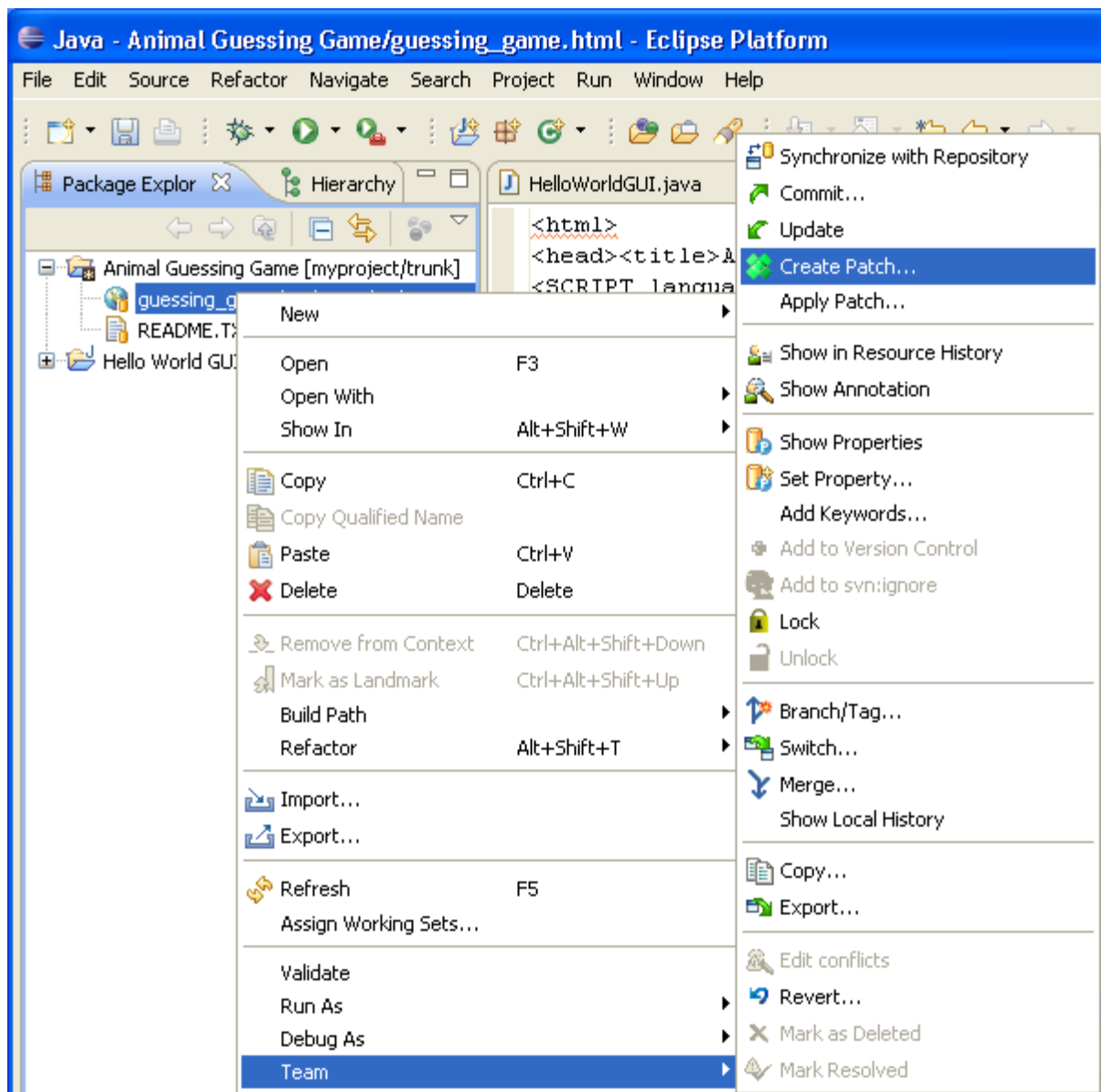
2. In the Local History view, right-click the revision number, and choose **Create Patch**.



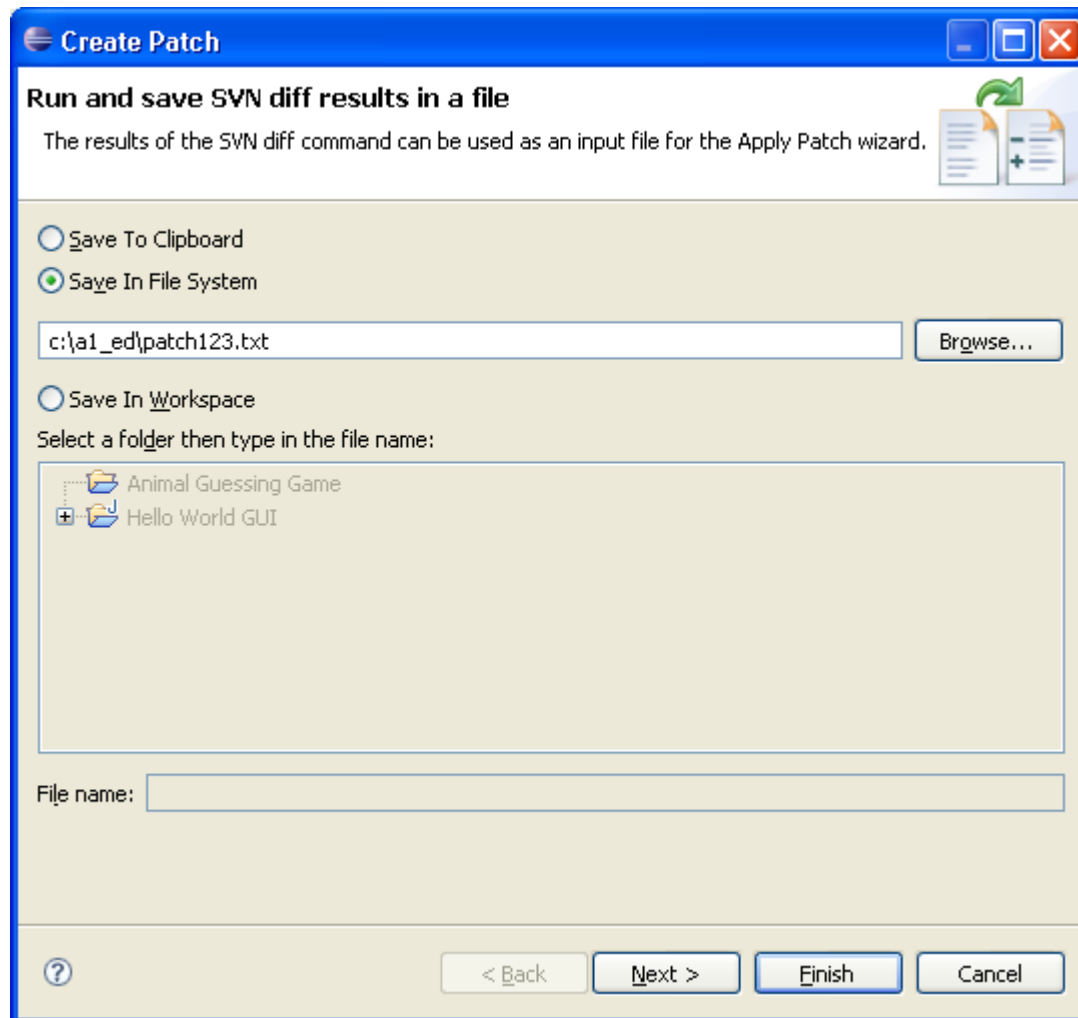
3. In the Create Patch dialog, choose a location for the patch file and a file name, then click **OK**.

Creating a patch file in Eclipse 3.3.1.1

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




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




Creating a patch file from the command line

Use the following commands to create patch files from the respective SCMs. `patch.txt` represents your name for the new patch file.

SCM	Command	Notes
CVS	<code>cvs diff -Nu > patch.txt</code>	Creates a patch file with around three lines of code, before and after each change. Revision information is included by default, so if you have FishEye, you may be able to anchor the patch to get full context.
	<code>cvs diff -N -U 10000 > patch.txt</code>	Creates a patch file that shows all code in the file. 10000 refers to the number of code lines before and after each change that are included in the patch.

SVN	<code>svn diff > patch.txt</code>	<p>Creates a patch file with around three lines of code, before and after each change.</p> <p>Revision information is included by default, so if you have FishEye, you may be able to anchor the patch to get full context.</p> <p> <code>svn diff</code> does not print any information about files copied in the workspace.</p>
	<code>svn diff --diff-cmd diff -x "-U 10000" > patch.txt</code>	<p>Creates a patch file that shows all code in the file.</p> <ul style="list-style-type: none"> • The built-in diff feature in <code>svn diff</code> does not support specifying lines of context, so you must tell Subversion to use an external diff command. • The second <code>diff</code> in the command needs to be the name of your external diff command. You might need to specify the full path to that command, such as <code>/usr/bin/diff</code>. • On the Windows platform, you may need a Unix-like emulator such as Cygwin, and install the optional diff command for that.
Perforce	<p>Crucible 3.3.1 or earlier: <code>p4 diff -dcu > patch.txt</code></p> <p>Crucible 3.3.2 or later: <code>p4 diff -z tag > patch.txt</code></p>	<p>Creates a patch file with around three lines of code, before and after each change.</p> <p>Revision information is included by default, so if you have FishEye, you may be able to anchor the patch to get full context.</p> <p>The <code>-dcu</code> 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). Later versions of Perforce do not support <code>-dcu</code>, so <code>-z tag</code> should be used instead.</p>


	<pre>diff -u /dev/null path_to_added_file >> patch.txt</pre>	<p>Example of using GNU <code>diff</code> to append files individually to the patch in UNIX.</p> <p>Since Perforce diffs do not include added and deleted files, you should use <code>p4 opened</code> to find such files.</p> <p>Replace <code>path_to_added_file</code> with the actual path of your added file. You can follow a similar procedure with deleted files using <code>p4 print</code> to extract the previous version of the file.</p>
	<p> Perforce does not directly support creating patches that include all lines of code. A workaround is to check out '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.</p>	
Mercurial	<pre>hg diff > patch.txt</pre>	<p>Creates a patch file with around three lines of code, before and after each change.</p> <p>Revision information is included by default, so if you have FishEye, you may be able to anchor the patch to get full context.</p> <p>If you use Git-style diffs (<code>--git</code>), the revision information will not be provided. This means that we cannot anchor the patch to a FishEye repository.</p>
Git	<pre>git diff > patch.txt</pre>	<p>Creates a patch file with around three lines of code, before and after each change.</p> <p>Revision information is included by default, so if you have FishEye, you may be able to anchor the patch to get full context.</p>

Using Crucible patch anchoring to automatically add full context

Crucible's Patch Anchoring feature allows you to add a regular patch (showing only a few lines of context) to a review. 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 files so that you can view all of the lines of code (greatly enhancing the review process).

To use patch anchoring:

1. Click **Create review** in the Crucible header.
2. Click **Pre-commit**. In the dialog that appears, click **Choose File** to locate your file, then **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.

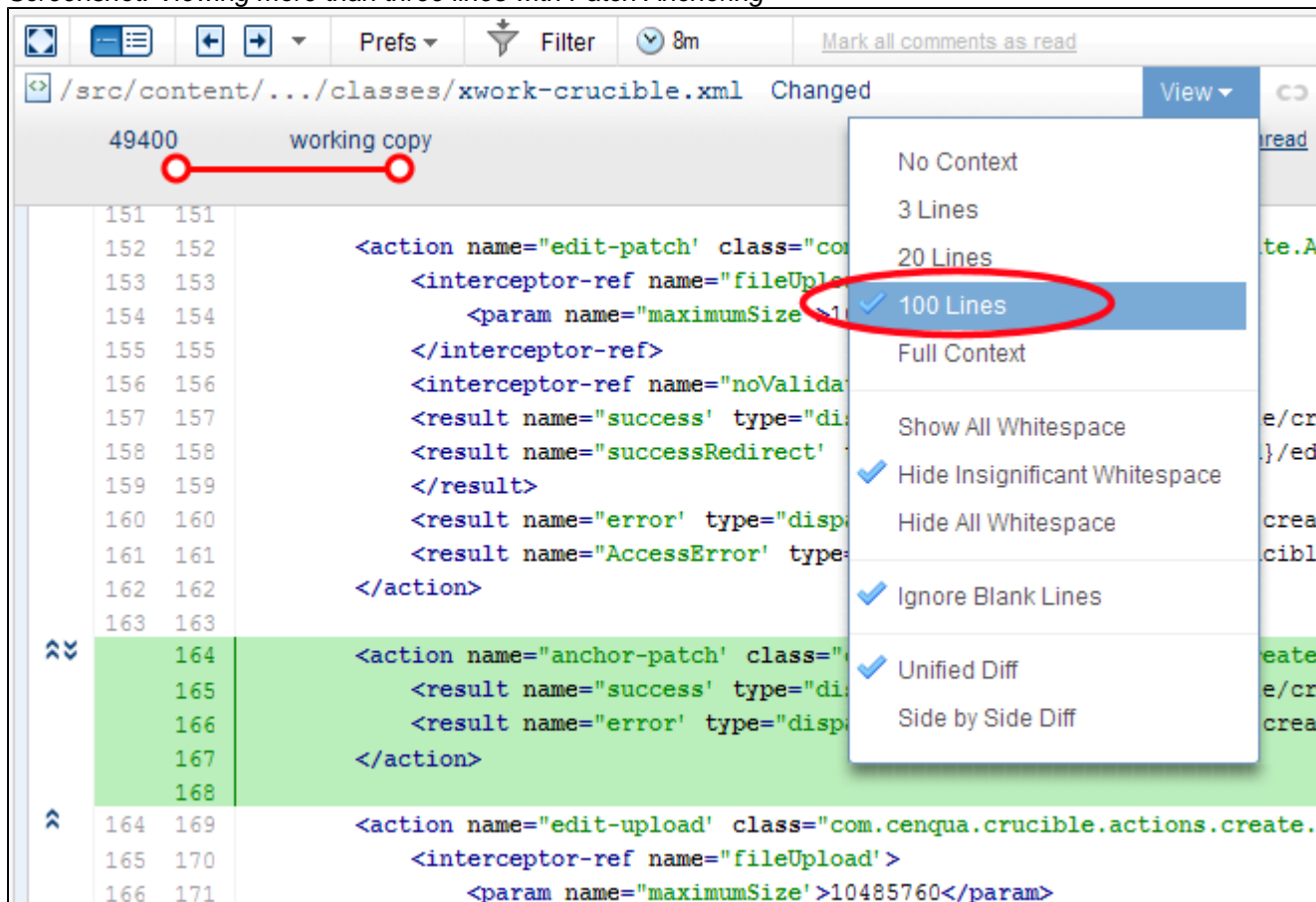
 Crucible makes a 'best guess' in its processing – you should check that it has anchored the patch to the correct location in your repository.

- Screenshot: Crucible Patch Anchoring

Screenshot: Editing the settings for Patch Anchoring

Created by Atlassian in 2014. Licensed under a [Creative Commons Attribution 2.5 Australia License](#).

Screenshot: Viewing more than three lines with Patch Anchoring



Choosing reviewers

This page describes how to add reviewers (as a mix of individual users and groups) to a new review, after it has been created. See [Creating a review](#) for information about creating reviews.

Before a review can be started, you need to choose reviewers. To add reviewers you just click **Edit Details** for the review.

Adding users to a review

You can choose reviewers from available Crucible users and groups by typing names into the **Reviewers** field. The users and groups that are available to be reviewers are determined by the project's settings for **Default Reviewers** – see [Creating a project](#).

You can also allow any Crucible user to add themselves as a reviewer by selecting **Allow anyone to join**.

Edit Review Details CR-ANERDS-92

Project: CR-ANERDS

Title: [Click to add title](#)

Author: Paul Watson

Reviewers: [Suggest reviewers...](#) ☐ Allow anyone to join

Objectives:

Abdoulaye Kindy Diallo	adiallo
Abi Dzar	adzar
group accounts-payable	users
group ace-team	users
ADM-17363	adm17363
group adm17363	user
Ahmad Faisal	afaisal

Due Date:

Send Reminder: working day before [\(remove\)](#)

Linked Review: [Link](#)

Linked Issue: [Link](#)

Click **Done** to save the review as a draft for later issue.

Click **Start Review** to begin the review immediately.

Suggested 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.

Removing reviewers

You can remove reviewers who no longer need to contribute to the review.

Click **Edit Details** for the review, hover over the reviewer's name, and click the cross.

Edit Review Details TEST-324

Project: TEST

Title: **[maven-release-plugin] prepare for next development**

Author: Paul Watson

Reviewers: [Suggest reviewers...](#) ☒ Allow anyone to join

Nathan Pye

James Dumay

Objectives: Please ensure you add an acceptance test to your review comments

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, they click **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](#).)

Next steps

You can now begin [Performing the review](#).

If you have a moderator controlling your review process, you can move onto [Starting a review](#).

Performing the review

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

On this page:

- [Browse your reviews on the Dashboard](#)
- [Browse all reviews on the 'Reviews' tab](#)
- [When files change during a review](#)
- [Next steps](#)

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 on the Dashboard

When you first start Crucible, the Dashboard is displayed, which shows your current reviews and other activity related to you.

Use the Dashboard to manage your reviews. Read the overview on [filtering your view](#).

Active reviews are listed on each [reviewer's](#) dashboard under the default **To Review** filter. Reviews are listed under **Out for Review** until all reviewers indicate they are complete. The reviews then move to the **To Summarize** list.

Read more about using the [Dashboard](#).

Browse all reviews on the 'Reviews' tab

All reviews that involve you in any role are listed when you click **Inbox** or **Outbox** under the **Reviews** menu. For example, choose **Reviews** > **Inbox** to see reviews that don't require further action from you, but are still active.

If email notifications are enabled (see [SMTP settings](#) 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.

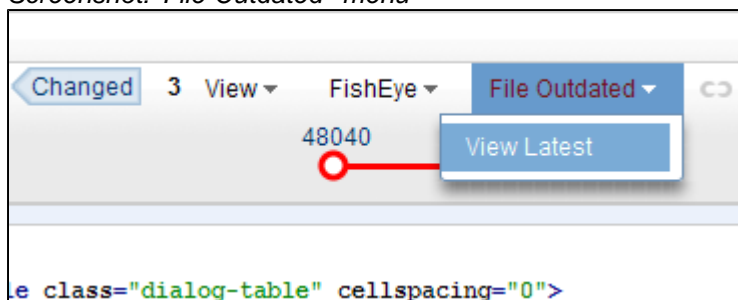
When files change during a review

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



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

- Starting a review
- Adding comments
- Changeset discussions
- Flagging defects
- Creating JIRA issues from the review
- Viewing reports
- Completing your review
- Using the Review History Dialog
- Using RSS feeds in Crucible
- Using Wiki Markup in Crucible
- Tracking Crucible Review Metrics

Starting a review

On this page:

- [Starting a review](#)
- [Editing a review once started](#)

Starting a review

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

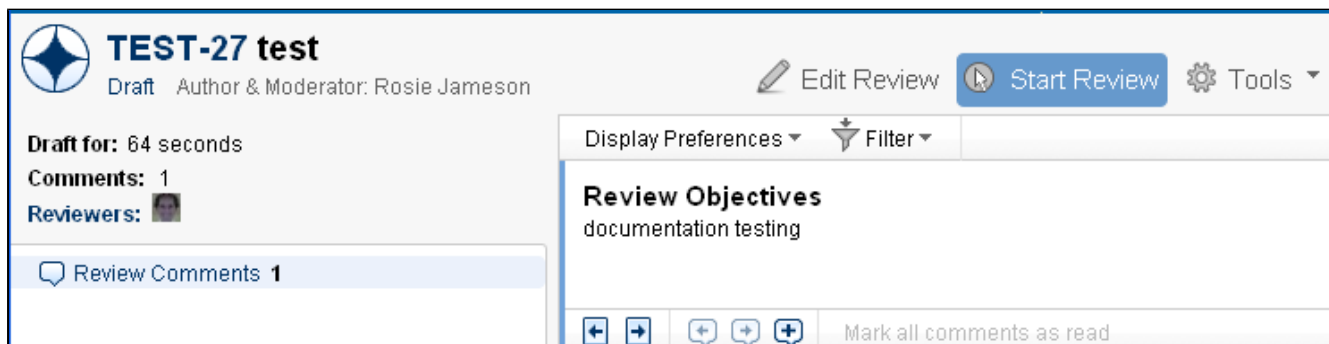
Once you have [selected the reviewers](#), the next stage is to notify the [reviewers](#) and the [author](#) (if different to the [moderator](#)) that they can start reviewing. The review has been in 'Draft' [state](#) until this point. Only the moderator has the permission to start a review.

To start the review:

- If you are the moderator of the review, click **Start Review**.
- If you are not the moderator of your review, click **Send to Moderator**. This changes the [state](#) to 'Requires 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



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

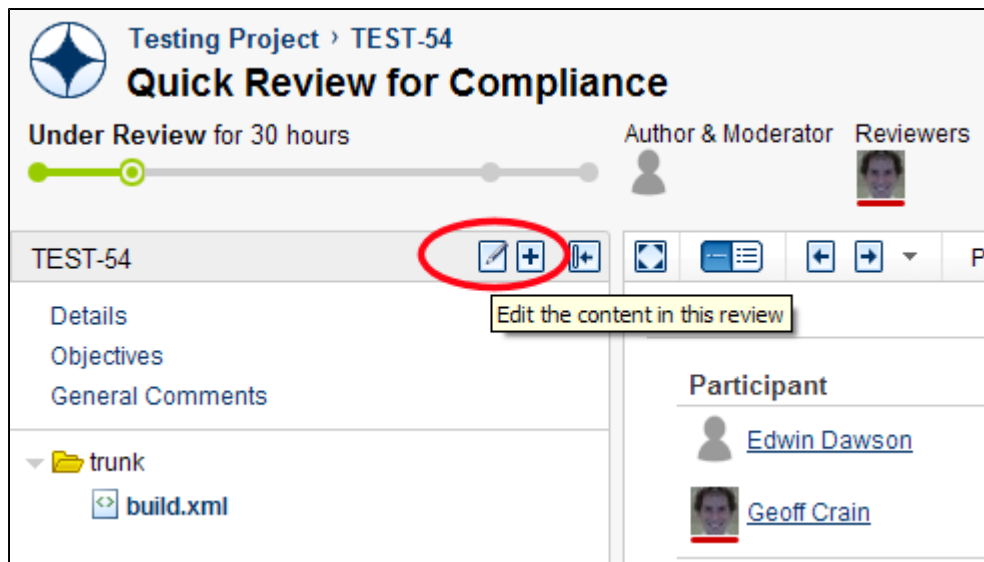
Editing a review once started

You can quickly add files to, or remove files from, the content of a review at any time:

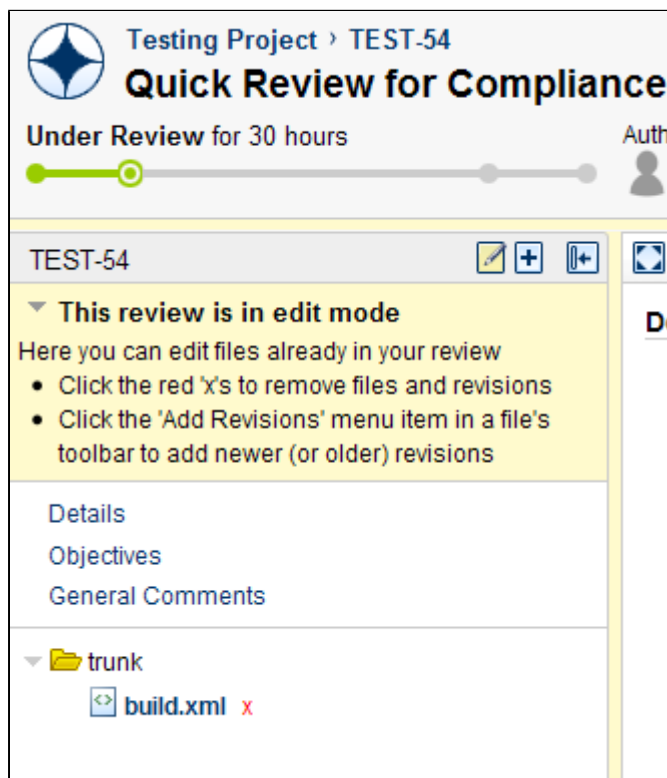
- Add files to a review by clicking the 'Add content' button.
- Remove files by clicking the 'Edit' button in the left navigation panel, then clicking the red cross icons beside files to be removed.

You can edit all the details of a review, including the content, by clicking **Edit Details** near the top right of the review.

Screenshot: Launching Edit Mode



Screenshot: Crucible Edit Mode for Review Content



Adding comments

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

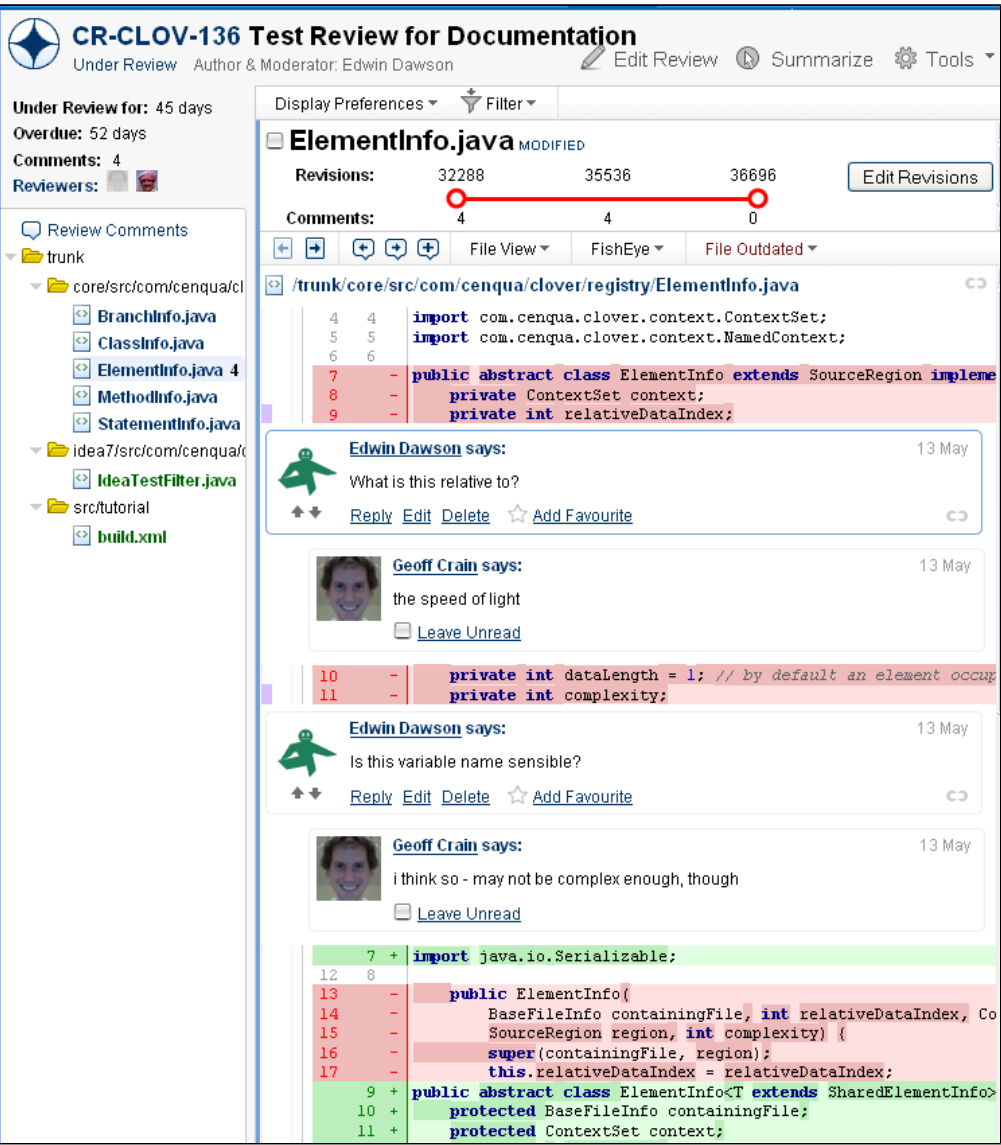
On this page:

- Locating existing comments
- Adding comments
- Draft comments

Locating existing comments

The number beside a filename, in the left-hand panel of a review, indicates the number of comments on that file.
(The number of unread comments, if any, is shown in brackets.)


Screenshot: Comments




Adding comments

There are various types of comments that you can add in Crucible:

To comment on...	Do this...	
------------------	------------	--

The whole review	Click General Comments (in the left-hand panel), then Add a general comment (under 'General Comments').	
A source file under review	Click on the file in the left-hand panel, then click Add a file comment (just above the source code listing).	
Lines of code	<p>Click on a line of code in the displayed source file of a review.</p> <ul style="list-style-type: none"> You can click and drag to select multiple lines, and click individual lines to select or deselect them. The comment will appear in the source at the last line selected. Hover over the comment to see the lines to which the comment applies. To select text on the page without adding a comment, hold down the Alt key while dragging the cursor. 	
A revision or changeset	See Changeset discussions .	

To reply to a comment, click **Reply** at the bottom of the comment.

 Only people with the '[Comment](#)' permission can add comments. A comment can only be deleted by the author of the comment.


 Read about [flagging defects](#) too.

Draft comments

You can save your comment as a draft and then edit it later. When you [complete the review](#), you will be prompted to post, discard or edit any remaining draft comments.


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.


 You need to be logged in to create changeset comments.



Adding comments to changesets

To add a comment to a changeset:

- Click on a changeset on the **Commits** tab for the repository. Display comments by clicking **Discuss** at the upper right corner, or the speech bubble icon  in the left margin.
- Click **Add a comment** (under the repository details near the top left).
- Type your comment. If required, you can tag your comment as being a defect note by clicking **Defect**.

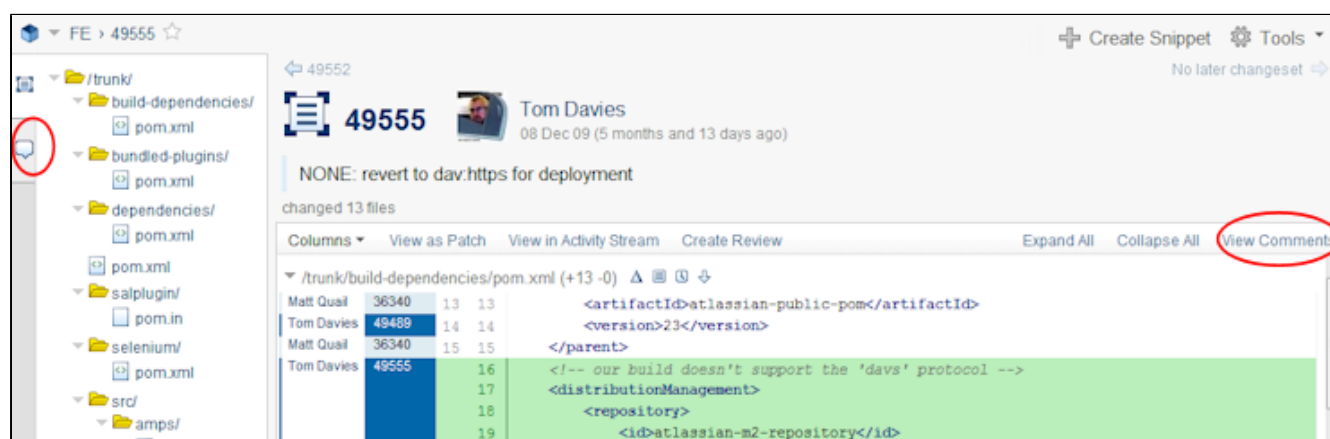
4. Click **Post**.

Once submitted, others can respond to your comment by clicking **Reply**. Replies are threaded as separate comment discussions. You can right-click on the permalink icon  to copy a link to the comment. The comment author can edit or delete their own comments.

To hide the changeset comments, click the page icon . You can display the comments panel by clicking the speech bubble icon  again.

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

Screenshot: Opening Changeset Discussions



Turning changeset discussions on and off

You can turn off changeset discussions in the Admin area:

1. In the Admin area, click **Repositories** (under 'Repository Settings' on the left).
2. Find your repository and choose **View** from the 'cog' menu in the Actions column.
3. Click **Other Settings** in the left panel.
4. Under 'Changeset Discussions' clear the **Allow changeset discussions** checkbox.

By default, changeset discussions are on.

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.

Flagging defects

Comments in Crucible can be used to flag a defect in the code under review.

To do this, simply check **Defect** when adding a comment and select a category from the drop-down list.

Screenshot: Defects

Is this variable name sensible?

☒ Defect Minor

Geoff Crain says:
 i think so - may not be complex enough, though
☐ [Leave Unread](#)

13 May

```

7 + import java.io.Serializable;
12 8
13 - public ElementInfo{
14 -     BaseFileInfo containingFile, int re
15 -     SourceRegion region, int complexity,
  
```

Select Classification

- Missing
- Extra (superfluous)
- Ambiguous
- Inconsistent
- Improvement desirable
- Not conforming to standards
- Risk-prone
- Factually incorrect
- Not implementable
- Editorial

context,

You may want to mark comments as defects in order to associate defect classifications, or simply to highlight to the [author](#) or [moderator](#) that the issue you raised in your comment requires attention. You can use the **with defects** filter to find files that have been flagged with defects.

i Crucible intentionally does not mandate how defects are to be used. The Crucible administrator can [customize the defect classifications](#).

i You can only use the defect classifications on comments that are not a reply to an existing comment.

Creating JIRA issues from the review

From any [review comment](#) (general, file, inline) in Crucible, you can create a JIRA issue directly from the comment. This requires that Crucible is [integrated with JIRA](#), version 5.0 or later, and is disabled if you have an earlier version of JIRA.

Inline issue creation allows:

- Tracking of the status of the comment
- A faster way to pull out incidental suggestions raised in reviews as JIRA issues
- A quick link back to the comment from the JIRA issue, using Remote Issue Links.

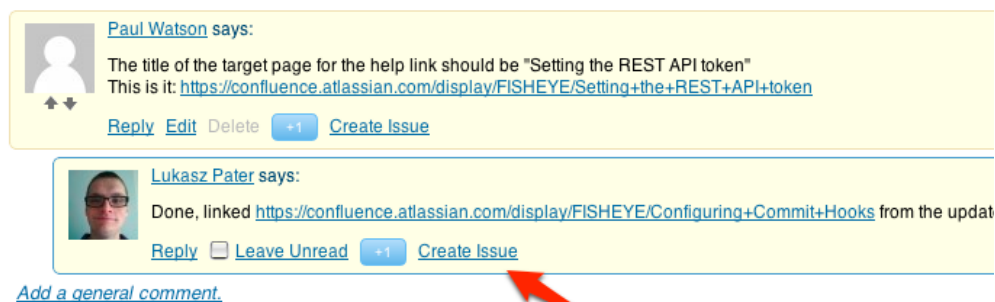
You might find this useful when:

1. Tracking the status of a review:
 - a. The 'Issues Raised from Comments' section in the review shows the open/closed status of related issues.
 - b. Raising related issues enforces dealing with subtasks before the review can be closed.
2. Closing off a review:
 - a. You can create JIRA issues, unrelated to the current review, to track matters to be dealt with later.

Creating a JIRA issue

To create a JIRA issue from a review, click **Create Issue** in an existing comment. Note that you need the 'Comment' [permission](#) in Crucible to see the **Create Issue** link.

General Comments



[Paul Watson](#) says:

The title of the target page for the help link should be "Setting the REST API token"
This is it: <https://confluence.atlassian.com/display/FISHEYE/Setting+the+REST+API+token>

[Reply](#) [Edit](#) [Delete](#) [+1](#) [Create Issue](#)

[Lukasz Pater](#) says:

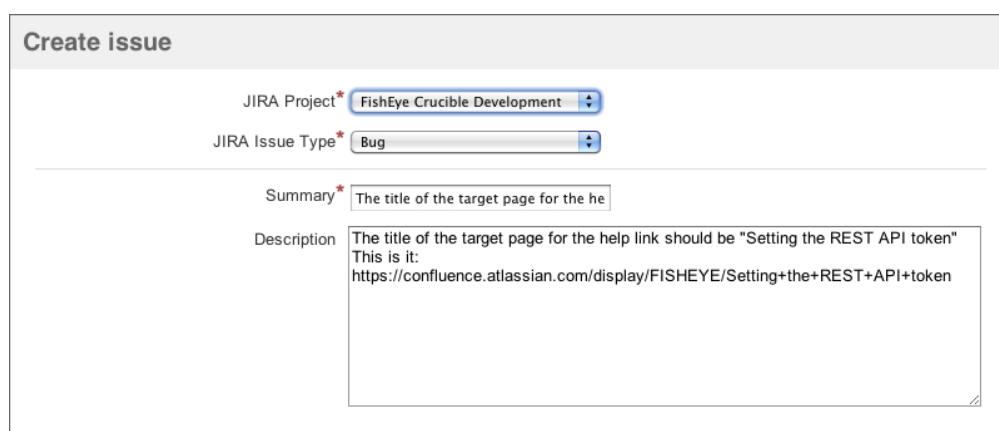
Done, linked <https://confluence.atlassian.com/display/FISHEYE/Configuring+Commit+Hooks> from the update

[Reply](#) [Leave Unread](#) [+1](#) [Create Issue](#)

[Add a general comment.](#)

Crucible suggests a JIRA instance, project and issue type, but you can choose from the available options. You can choose **Sub-task** from the **JIRA Issue Type** list if a JIRA issue is already [linked to the review](#).

Crucible only displays required fields for the issue type; these can be [configured in JIRA](#) by your administrator.



Create issue

JIRA Project* [FishEye Crucible Development](#)

JIRA Issue Type* [Bug](#)

Summary*

Description

Once the issue is created, the comment displays a link to the issue in JIRA, and in JIRA, the issue displays a link back to the comment in Crucible. The 'Issues raised from comments' section of the review displays links to the JIRA issues.

See [Creating a review from JIRA](#).

Viewing reports

This page describes 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'.

On this page:

- [Viewing the Review Blockers report](#)
- [Viewing the JIRA Blockers report](#)

See also:

- [Viewing the Review Coverage report](#)

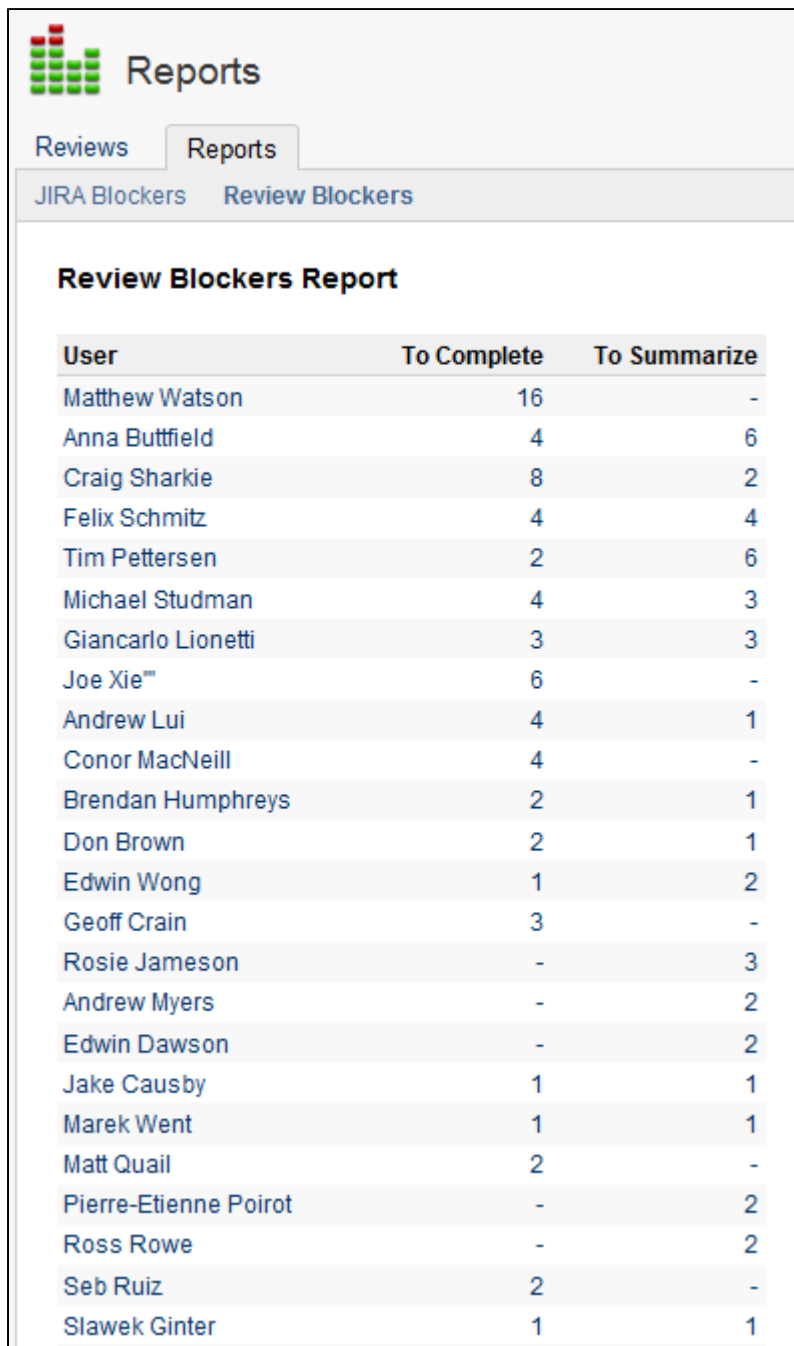
Viewing the Review Blockers report

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

1. Click the dropdown arrow next to the **Reviews** tab at the top of the page and select **Reports**.
2. Click **Review Blockers** (under the 'Reports' sub-tab).
 - 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 a list of reviews for that

user.

Screenshot: 'Review Blockers' Report



User	To Complete	To Summarize
Matthew Watson	16	-
Anna Buttfeld	4	6
Craig Sharkie	8	2
Felix Schmitz	4	4
Tim Pettersen	2	6
Michael Studman	4	3
Giancarlo Lionetti	3	3
Joe Xie™	6	-
Andrew Lui	4	1
Conor MacNeill	4	-
Brendan Humphreys	2	1
Don Brown	2	1
Edwin Wong	1	2
Geoff Crain	3	-
Rosie Jameson	-	3
Andrew Myers	-	2
Edwin Dawson	-	2
Jake Causby	1	1
Marek Went	1	1
Matt Quail	2	-
Pierre-Etienne Poirot	-	2
Ross Rowe	-	2
Seb Ruiz	2	-
Slawek Ginter	1	1

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 [explicitly linked to a JIRA issue](#) 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**.
2. Click **JIRA Blockers** (under the 'Reports' sub-tab).
3. Enter details for your JIRA server and project, and click **Go**.

The 'JIRA Blockers' report displays 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



Reports

[Reviews](#)
[Reports](#)

[JIRA Blockers](#)
[Review Blockers](#)

JIRA Blockers Report

Select the JIRA instance to retrieve data from








JIRA project key
The key for the project you want to find review-blocked JIRA issues from.

JIRA project's version
The version for your selected project that you wish to find issues from.

JIRA "Under Review" workflow step:
The name of the workflow step from your JIRA instance that indicates an issue is under review.

Issue	Review	Incomplete
FE-1073	CR-FE-3635	Conor MacNeill
FE-2656	CR-FE-3644	Conor MacNeill Tim Pettersen
FE-2665	CR-FE-3839	Joe Xie™ Michael Heemskerk Tom Davies

Reviewer	Incomplete reviews
Conor MacNeill	2
Joe Xie™	1
Michael Heemskerk	1
Tim Pettersen	1
Tom Davies	1

Issue	Severity	Problem	?
FE-2656		Issue resolved, reviews are still open	
FE-2751		Issue unresolved, reviews are closed	
FE-2751		Issue unresolved, reviews are completed by all reviewers	
FE-2702		Issue unresolved, reviews are closed	
FE-2702		Issue unresolved, reviews are completed by all reviewers	
FE-2504		Issue unresolved, reviews are closed	
FE-2504		Issue unresolved, reviews are	

Review Coverage report

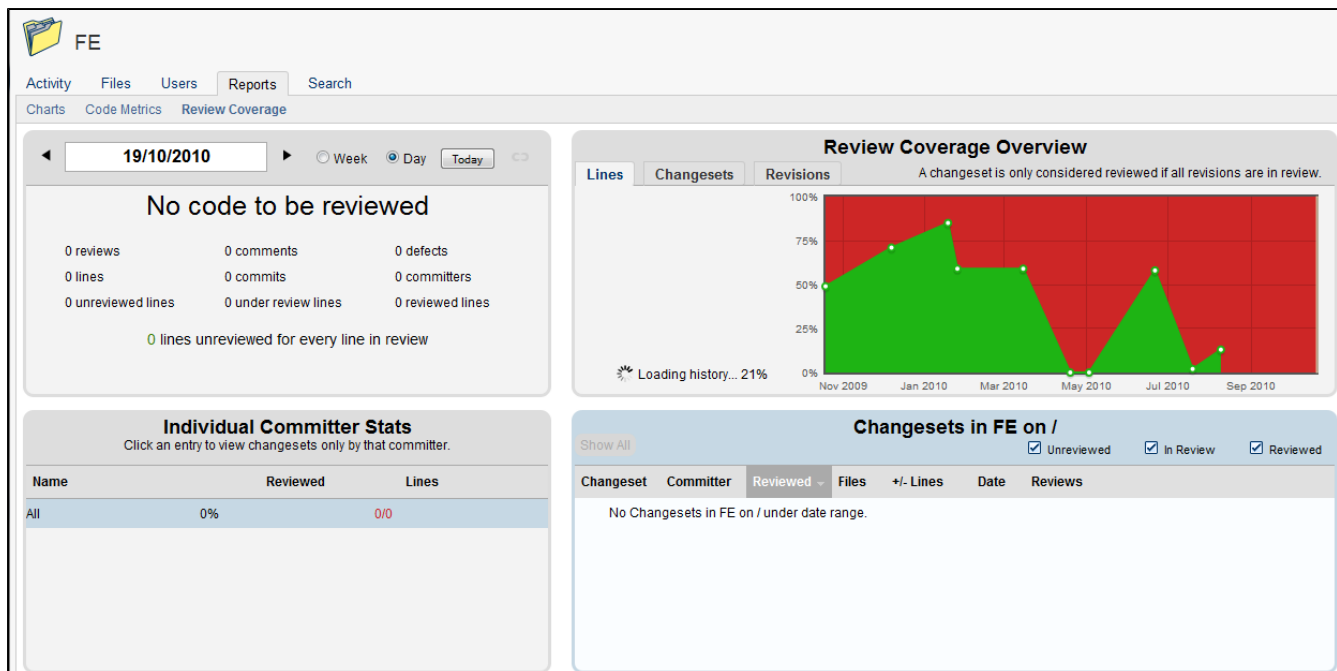
Crucible has useful reports that show you detailed statistics on review activity. The Review Coverage report allows you to see how much of the code, and which files, in your repository have been reviewed, and when. You can also access the reviews.

 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 Stats panel](#)
- [Using the Changesets panel](#)

Screenshot: The Review Coverage report



Opening the Review Coverage report

To open the Review Coverage report:

1. Click **Repositories** and choose a repository. The repository you chose sets the scope for the report.
2. If desired, navigate down the tree (in the lefthand panel) and click the desired path you want to view coverage on.
3. Click **Reports** in the secondary toolbar.
4. Click **Review Coverage** from the list of reports in the upper panel.

i You can view coverage of any path by navigating 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 displays the following metrics for your selected repository:

- 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

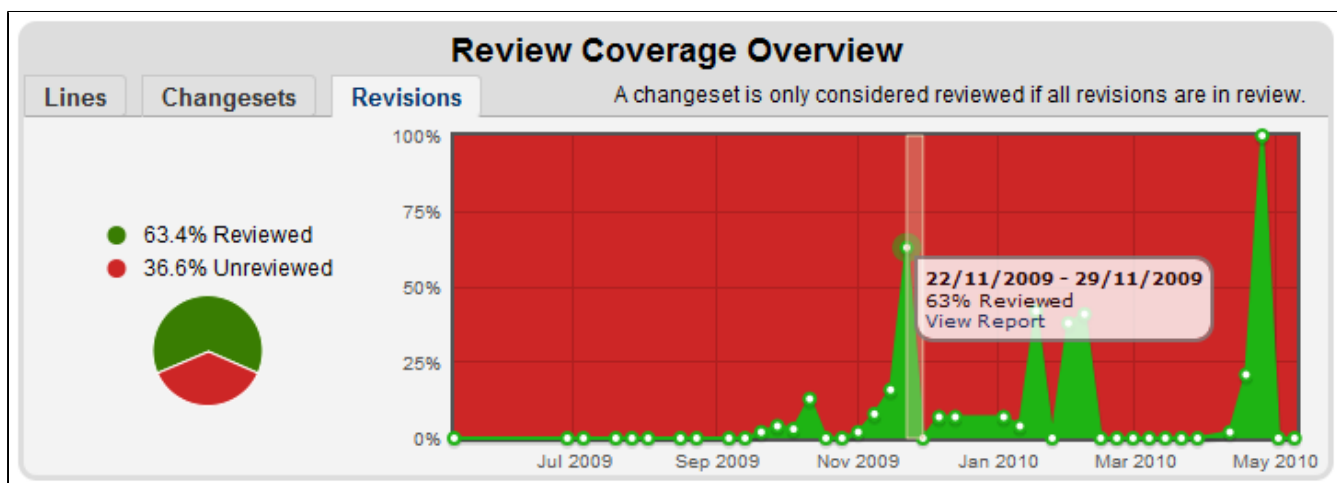


Using the Review Coverage Overview

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 Stats panel

The Individual Committer Stats panel 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 ▲	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 panel

The Changesets 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 panel in the Review Coverage report

Changesets in FE on /trunk						
Show All		<input checked="" type="checkbox"/> Unreviewed <input checked="" type="checkbox"/> In Review <input checked="" type="checkbox"/> Reviewed				
Changeset	Committer	Reviewed	Files	+/- Lines	Date	Reviews
▶ 54106	tdavies	<div></div>	16	+297 / -308	1 Feb	
▶ 54110	sruiz	<div></div>	12	+387 / -106	1 Feb	⊕ CR-FE-3071
▶ 54199	csharki...	<div></div>	5	+192 / -161	2 Feb	⊕ CR-FE-3082
▶ 54249	sruiz	<div></div>	6	+134 / -136	2 Feb	⊕ CR-FE-3071
▶ 54322	csharki...	<div></div>	6	+174 / -68	3 Feb	⊕ CR-FE-3082
▶ 54228	nvenega...	<div></div>	8	+73 / -82	2 Feb	⊕ CR-FE-3090
▶ 54155	mquail	<div></div>	2	+151 / -1	1 Feb	
▶ 54555	abutti...	<div></div>	6	+83 / -63	5 Feb	⊕ CR-FE-3073
▶ 54390	gcrain	<div></div>	3	+72 / -73	4 Feb	⊕ CR-FE-3099
▶ 54125	abutti...	<div></div>	9	+77 / -62	1 Feb	⊕ CR-FE-3054
▶ 54321	tdavies	<div></div>	12	+79 / -59	3 Feb	⊕ CR-FE-3079
▶ 54244	cmacnei...	<div></div>	1	+67 / -67	2 Feb	
▶ 54307	abutti...	<div></div>	3	+63 / -71	3 Feb	⊕ CR-FE-3095
▶ 54191	gcrain	<div></div>	4	+86 / -46	2 Feb	
▶ 54330	sruiz	<div></div>	3	+71 / -50	3 Feb	⊕ CR-FE-3096
▶ 54159	tdavies	<div></div>	15	+89 / -25	1 Feb	⊕ CR-FE-3079

Completing your review

Once each [reviewer](#) has added [comments](#) to the review and has nothing further to add, the next step is for them to complete their individual review.

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



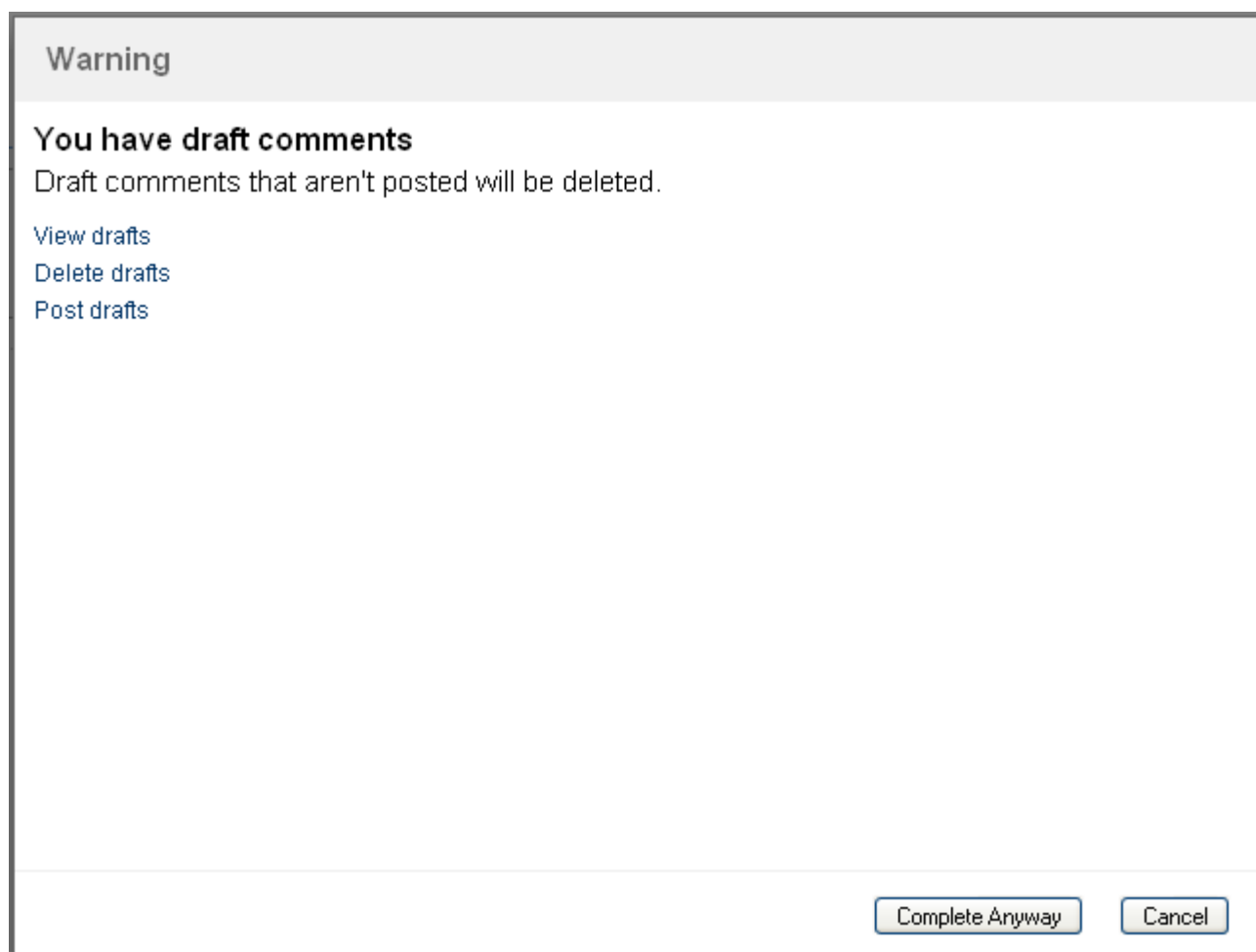
i Only people with the 'Complete' [permission](#) can complete a review.

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

Reviewers can still continue to add comments until the moderator [summarises](#) the review. The moderator does **not** have to wait for all reviewers to complete their individual reviews before summarising.

If you have any draft [comments](#), you will be prompted to post/discard/edit any comments before completing the review.


Screenshot: Draft comments



Screenshot: Review complete


Review Complete

You have marked TEST-27 as completed.
The following reviewer is not yet finished:

 [Geoff Crain](#)

You can continue to add new comments and reply to comments until the moderator ( [Rosie Jameson](#)) summarizes the review.

Reviews requiring your attention:

Task	Review	Owner	Due
Review	CR-FE-2170		03 Jul
Summarize	TEST-11		-

[Dashboard](#)[Close](#)

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.

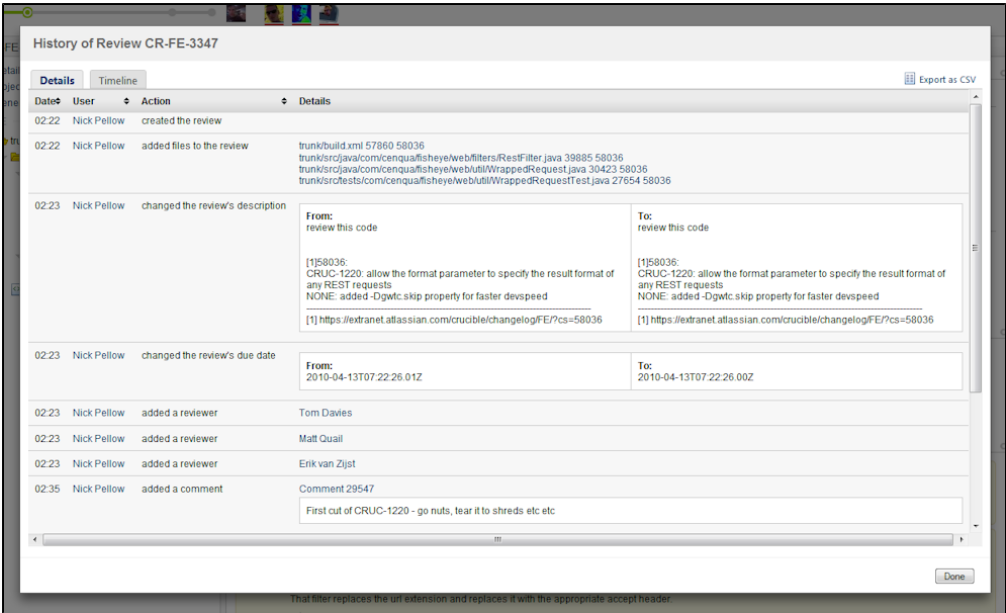
To open the Review History dialog:

1. Open a review in Crucible.
2. Choose **Tools > View Review History** from the top right of the screen.

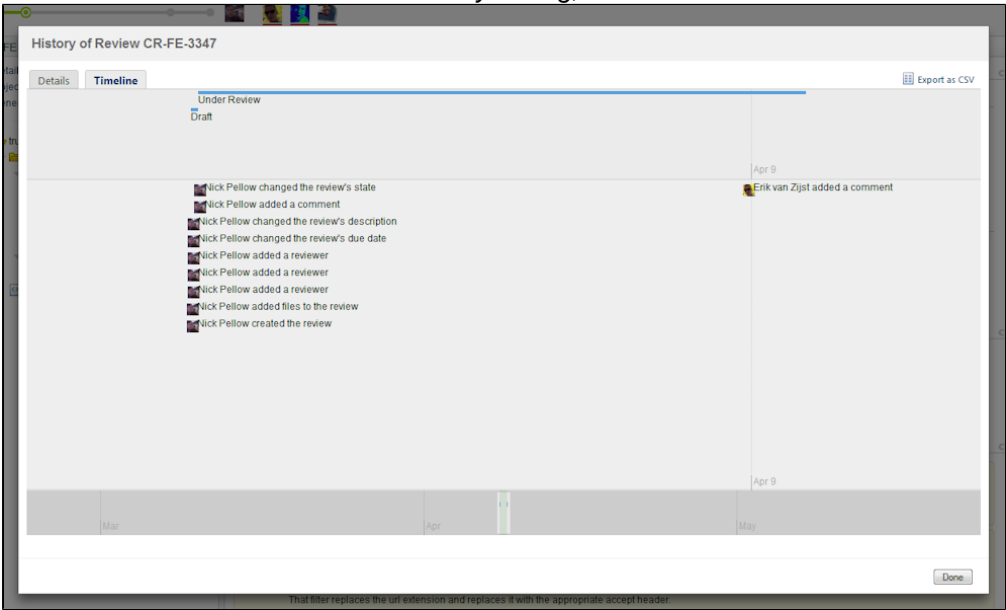
Click the **Timeline** tab at the top of the History dialog to see the review's events in a horizontal calendar. You can drag the calendar and the timeline at the bottom to scroll to other events.

Click **Export as CSV** near the top right to export the entire review history, 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



Using RSS feeds in Crucible

Subscribing to an RSS feed

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


Right-click the RSS icon  and choose **Copy Link Address** to get the URL that you can paste into your RSS reader of choice.

Click the RSS icon  to see a page with the RSS feed displayed.

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. <i>Normal heading</i>
h5.Small heading	Turns text into a heading at size 5. Small heading
h6.Smallest heading	Turns text into a heading at size 6. <i>Smallest heading</i>

Text Effects

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

Notation	Description
bold	Makes text appear bold .
italic	Makes text appear in <i>italics</i> .
+underline+	Makes text appear <u>underlined</u> .
??citation??	Makes text appear in — <i>citation</i> form.
-strikethrough-	Makes text appear struck through .
^superscript^	Makes text appear in ^{superscript} .
~subscript~	Makes text appear in _{subscript} .
<div style="border: 1px solid black; padding: 5px; display: inline-block;">{ {monospaced} }</div>	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: <div style="border-left: 1px solid black; padding-left: 10px; margin-left: 20px;">Some block quoted text</div>

<pre>{quote} here is quoteable content to be quoted {quote}</pre>	<p>Quote a block of text that's longer than one paragraph.</p> <p>Example:</p> <div style="border-left: 1px solid #ccc; padding-left: 10px; margin-left: 20px;"> <i>here is quoteable content to be quoted</i> </div>
<pre>{color:red} look ma, red text! {color}</pre>	<p>Changes the color of a block of text.</p> <p>Example: look ma, red text!</p>

Text Breaks

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

Notation	Description
(empty line)	Produces a new paragraph
<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">\\</div>	Creates a line break.
<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">----</div>	Creates a horizontal ruler.
<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">---</div>	Produces em dash — symbol.
<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">--</div>	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]	<p>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.</p> <p>Examples:</p> <ul style="list-style-type: none"> http://www.atlassian.com/crucible Atlassian Crucible <p>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).</p>

[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:anchortext}	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
<ul style="list-style-type: none"> * A bulleted list * Second item ** indented item 1 ** indented item 2 <ul style="list-style-type: none"> # A numbered list # Second item ## indented item 1 ## indented item 2 	<p>Examples:</p> <ul style="list-style-type: none"> • A bulleted list • Second item <ul style="list-style-type: none"> • indented item 1 • indented item 2 <ol style="list-style-type: none"> 1. A numbered list 2. Second item <ol style="list-style-type: none"> a. indented item 1 b. indented item 2

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}	<p>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.</p> <p>Example:</p> <div><pre>This is a no-formatted piece of text, so *no* _formatting_ is done here.</pre></div>
{panel}	<p>Embraces a block of text within a fully customizable panel. The optional parameters you can define are as follows.</p> <ul style="list-style-type: none">• 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 <p>Examples:</p> <div><div>Some text in a basic panel</div><div>My Title Some text with a title</div></div>


```
{code}code goes here{code}
```



```
{code:title=Bar.java|borderStyle=solid}  
// Some comments here  
public String getFoo()  
{  
  return foo;  
}  
{code}
```



```
{code:xml}  
<test>  
<another tag="attribute"/>  
</test>  
{code}
```

The code macro displays a preformatted block for showing code with syntax highlighting. All the optional parameters of the {panel} macro are valid for {code}. The default language is Java but you can specify JavaScript, ActionScript, XML or SQL.

Examples:

Java with a title bar:

Bar.java

```
// Some comments here  
public String getFoo()  
{  
    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:

Notation						Description					
\X						Escape special character X (i.e. {})					
:), :(Graphical emoticons (smileys): 😊, ☹️ .					
Notati on	:)	:(:P	:D	;)	(y)	(n)	(i)	(/)	(x)	(!)
Image	😊	☹️	😜	😄	😏	👍	🗨️	ℹ️	✅	❌	⚠️
Notatio n	(+)	(-)	(?)	(on)	(off)	(*)	(*r)	(*g)	(*b)	(*y)	
Image	➕	➖	❓	💡	💡	★	★	★	★	★	

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.

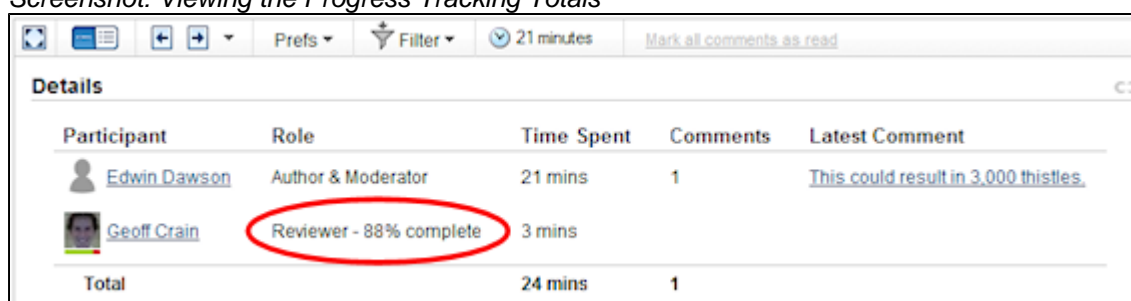
When participating in [iterative reviews](#), progress tracking also takes lines of code and revisions into account.

Viewing the progress tracking totals

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

i 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

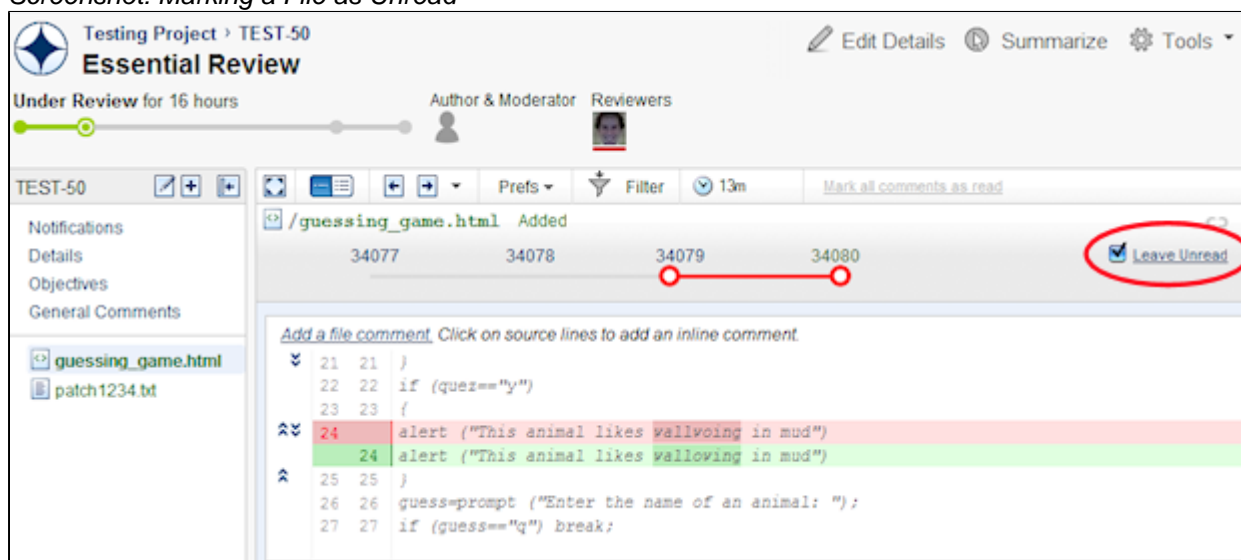


Participant	Role	Time Spent	Comments	Latest Comment
Edwin Dawson	Author & Moderator	21 mins	1	This could result in 3,000 thistles.
Geoff Crain	Reviewer - 88% complete	3 mins		
Total		24 mins	1	

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, and then clicking **Leave Unread** (at the right of the file's toolbar). This file is now not included in your progress percentage.

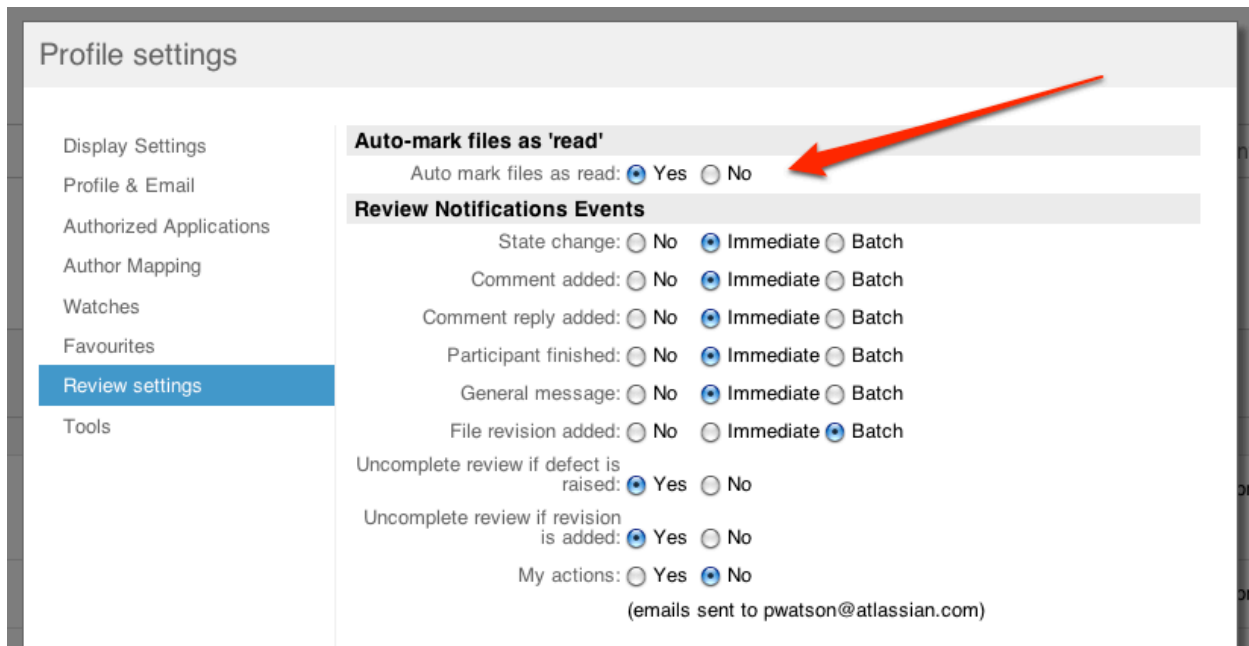
Screenshot: Marking a File as Unread



Testing Project > TEST-50
Essential Review
 Under Review for 16 hours
 Author & Moderator: [\[User\]](#) Reviewers: [\[User\]](#)
 TEST-50
 Notifications
 Details
 Objectives
 General Comments
[guessing_game.html](#)
[patch1234.txt](#)
 /guessing_game.html Added
 34077 34078 34079 34080
☒ Leave Unread
 Add a file comment. Click on source lines to add an inline comment.
 21 21 }
 22 22 if (queze=="y")
 23 23 {
 24 alert ("This animal likes wallvoing in mud")
 24 alert ("This animal likes wallowing in mud")
 25 25 }
 26 26 guess=prompt ("Enter the name of an animal: ");
 27 27 if (guess=="q") break;

Adjusting settings for progress tracking

Progress tracking is a configurable user preference – choose **Profile settings** from your user menu. On the **Review settings** tab, **Auto-mark files as read** is on by default – when set to off, you have to mark files as read or unread yourself.



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.

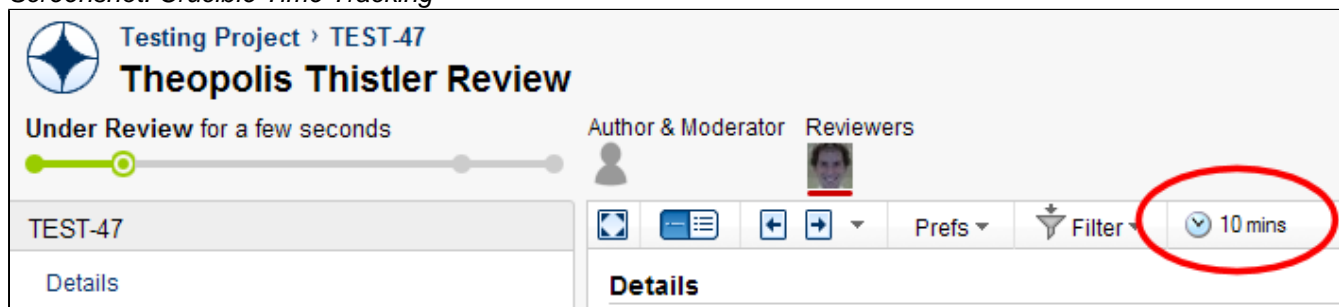
On this page:

- [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' section shows a summary of the progress and time tracked on each file.

Screenshot: Crucible Tracking Totals

Participant	Role	Time Spent	Comments	Latest Comment
Edwin Dawson	Author & Moderator	21 mins	1	This could result in 3,000 thistles.
Geoff Crain	Reviewer - 88% complete	3 mins		
Total		24 mins	1	

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.

JIRA integration in Crucible

JIRA is Atlassian's issue tracking and project management application.

When Crucible is integrated with JIRA, you and your team get all the benefits described on this page:

In Crucible, you can:

- See all the Crucible reviews related to a JIRA issue
- Create a Crucible review directly from an issue in JIRA
- Link your Crucible review to a JIRA issue
- Create a JIRA issue from a review comment
- Transition JIRA issues from within Crucible
- See issues from multiple instances of JIRA

Related pages:

- [Creating a review from JIRA](#)
- [Creating JIRA issues from the review](#)
- [Transitioning JIRA issues](#)
- [Linking Crucible to JIRA](#)

Note that your Crucible and JIRA instances must be linked to make use of these JIRA integration features. See [Linking Crucible to JIRA](#).

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

See all the Crucible reviews related to a JIRA issue

In a JIRA issue, the Development panel shows the number of reviews that are linked to the issue. Click the **reviews** link to see details of those reviews.

Link your Crucible review to a JIRA issue

When creating, or editing, your review, Crucible will suggest a JIRA issue that can be linked to the review, if a JIRA issue key is found in the review title. You can:

- click the suggested JIRA issue key, to link it to the review
- delete the suggested JIRA issue and specify a different issue key and click **Link** to save it.

Edit Review Details CR-FE-6139

Project: CR-FE

Title: CRUC-5879: Set default due due to duration rounded to nearest half hour instead of exact duration from

Author: Adam Ahmed

Reviewers: [Suggest reviewers...](#) ☒ Allow anyone to join

Seb Ruiz

Tim Pettersen

Objectives:

Due Date:

Linked Review: [Link](#)

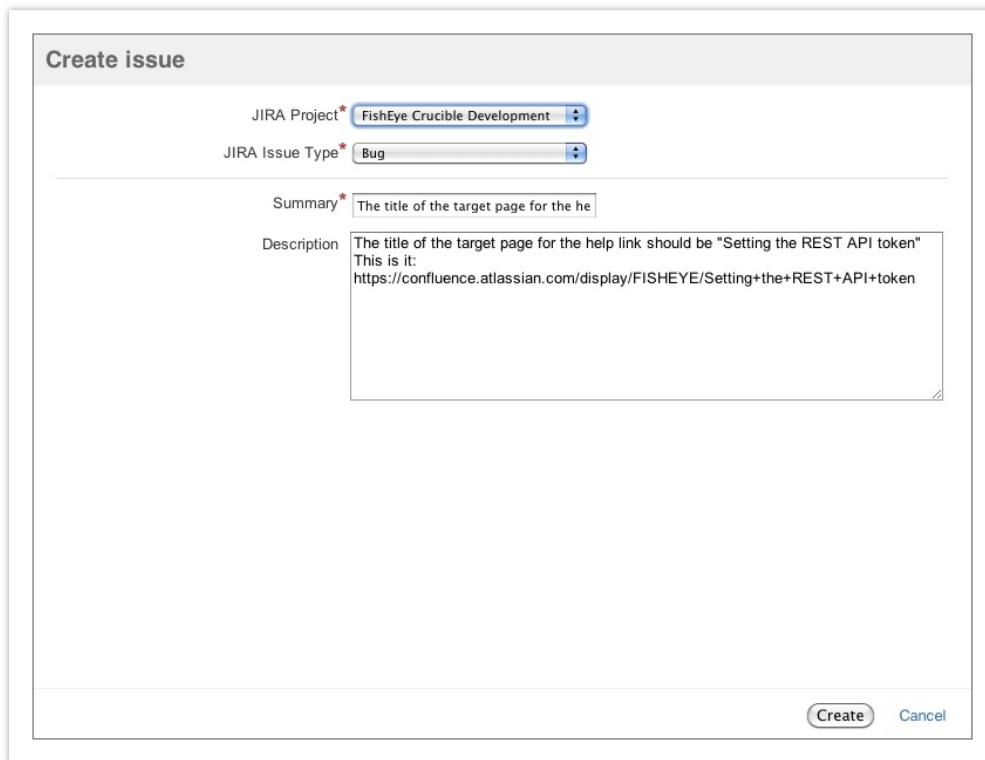
Linked Issue: **CRUC-5879** - Review due and reminder dates that change by < second are tracked

[Add Content](#) [Done](#)

Create a JIRA issue from a review comment

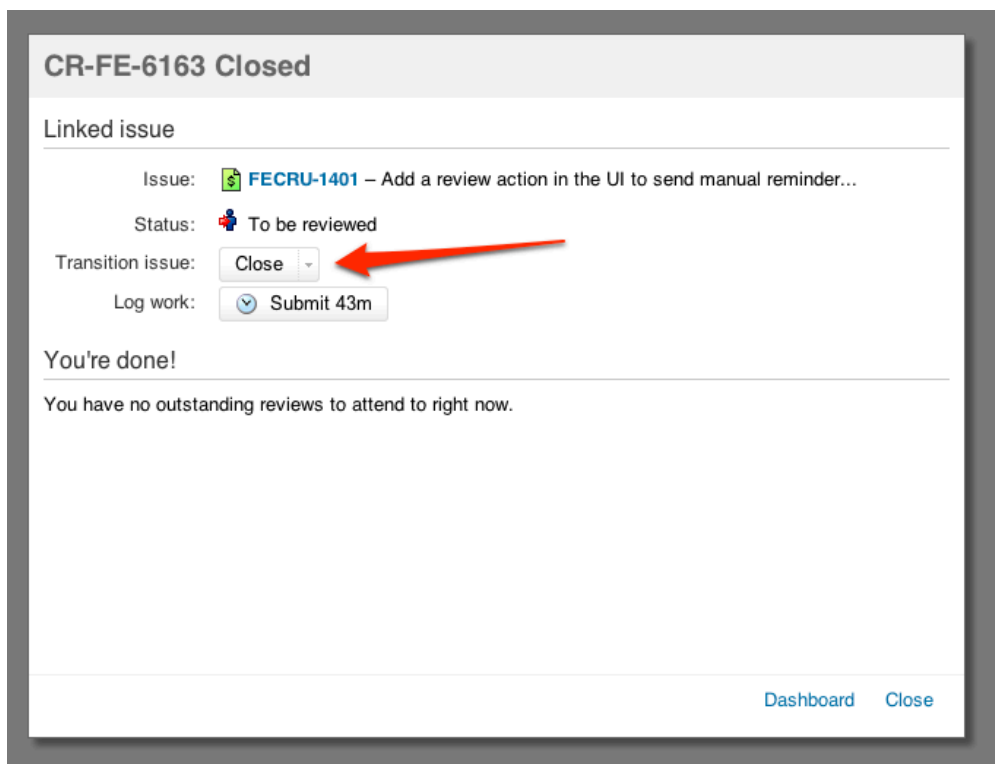
When viewing any review comment (general, file, inline), you can click **Create Issue** in the comment to create a JIRA issue. Crucible suggests the JIRA instance, project and issue type, but you can modify these. This requires JIRA 5.0, or later, and is disabled if Crucible is integrated with an earlier version of JIRA.

See [Creating JIRA issues from the review](#) for more details.



Transition JIRA issues from within Crucible

For Crucible reviews that have [linked JIRA issues](#), you can advance the JIRA workflow for the issue from within Crucible. You can do this at any time by clicking the linked issue, or when you close the review:



See [Transitioning JIRA issues](#) for more details.

See issues from multiple instances of JIRA

Crucible can [link to more than one JIRA server](#) at a time, so different teams can work with their own projects in different JIRA instances, or a single team can link to issues across multiple JIRA servers.

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 [Permission Scheme](#). 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 **Close**.

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

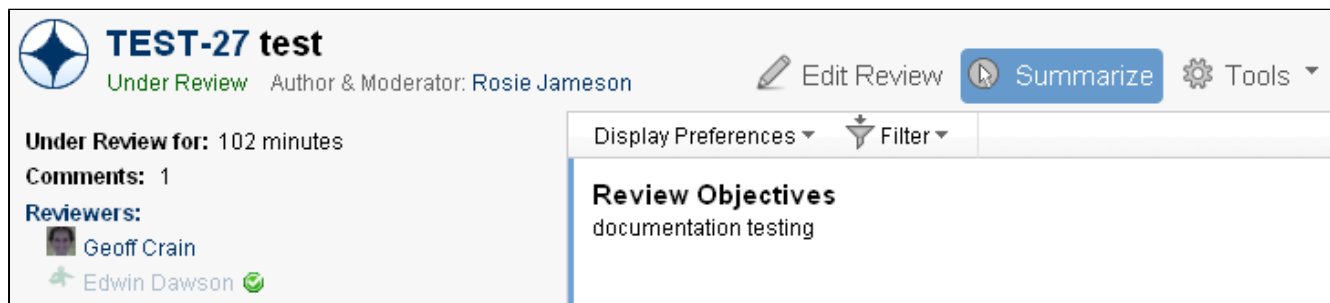
Normally, we recommend that you wait for all reviewers to [complete their reviews](#), before summarizing or closing the review.

The reviews that the reviewers have completed will be in your **Ready to Close** menu on the [Dashboard](#).

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**.
- On clicking **Summarize**, you may be prompted to confirm the action if there are incomplete reviews or draft comments in the review. These are warnings, however; the review can still be summarized and closed.

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



Once the review is in the 'Summarize' [state](#), the moderator can optionally add a review summary, for example, to describe the outcomes/tasks/etc:

Summarize Review

Summarize the review outcomes (optional)

Testing successful. Thanks for your time, everyone.

Continue Without Closing


Close Review

Screenshot: Review Closed

Review Closed

Review Summary
Testing successful. Thanks for your time, everyone.

Reviews requiring your attention:

Task	Review	Owner	Due
Review	CR-FE-2170		03 Jul

[Dashboard](#) [Close](#)

The summary is sent to all participants and is 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.
- See [this page](#) for a list of the states that a review can be in.



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).

Managing your reviews

See:

- [Using Review Reminders](#)
- [Sending a review's comments via email](#)
- [Moving a Review to Another Project](#)
- [Deleting a review](#)

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), you can have Crucible send a preset reminder to all of the pending reviewers, some number of working days before the deadline.

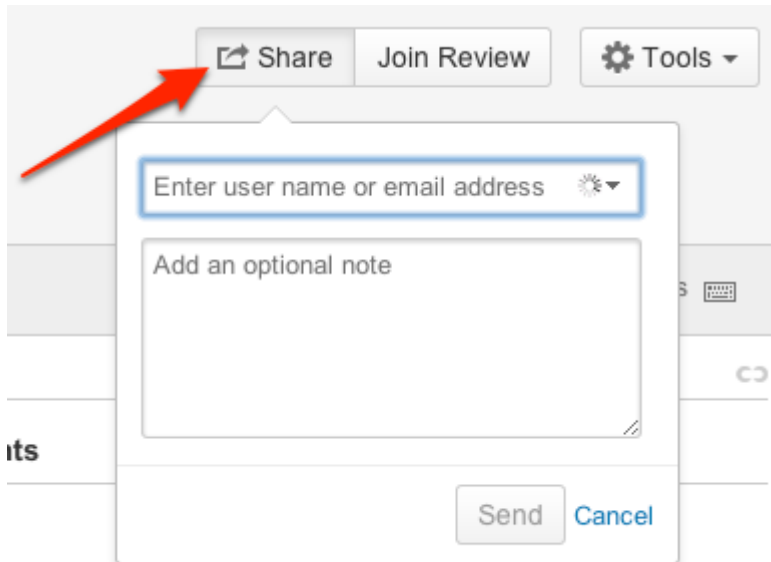
To add a reminder, firstly edit the review, then click **Add a reminder**. You can edit the reminder period.

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

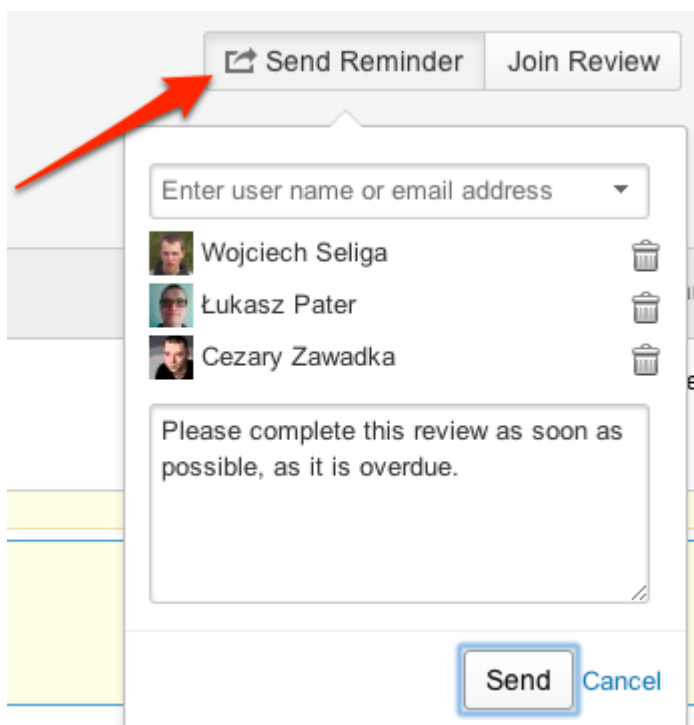
Manual Reminders

You can send a reminder to all the reviewers that have not yet completed their review:

Before the review is due, click **Share** and add recipients and a message:



If the review is overdue, click **Send Reminder**. The message is pre-populated with recipients who have not yet completed their review.



Sending a review's comments via email

You can download all of the comments from a review as plain text, so that you can send that 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.

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

1. In Crucible, navigate to the review in question.
2. Choose **Tools** > **Download as Text**.
3. Copy the on-screen text and paste it into an email.
4. Send.

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

TEST-29 A test review
Under Review Author & Moderator: Rosie Jameson

Under Review for: 0 seconds Display Preferences Filter

Edit Review

Review Details
Review Content
Change Sets
Files
Search
Suggestions
Patches
Uploads

Title:
A test review

Project: Testing Project
Moderator: Rosie Jameson
Author: Rosie Jameson

Select Reviewers:
Start typing the reviewer's name then press enter to select.
☒ Geoff Crain
☐ Allow anyone to join

Get Reviewer Suggestions:
Suggest Reviewers

Due Date:

Linked JIRA Issue:
Issue key: Link

Linked Review
Review Key: Link

Statement of Objectives:
Test moving a review to another project.

Reset

Abandon Review Done

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.

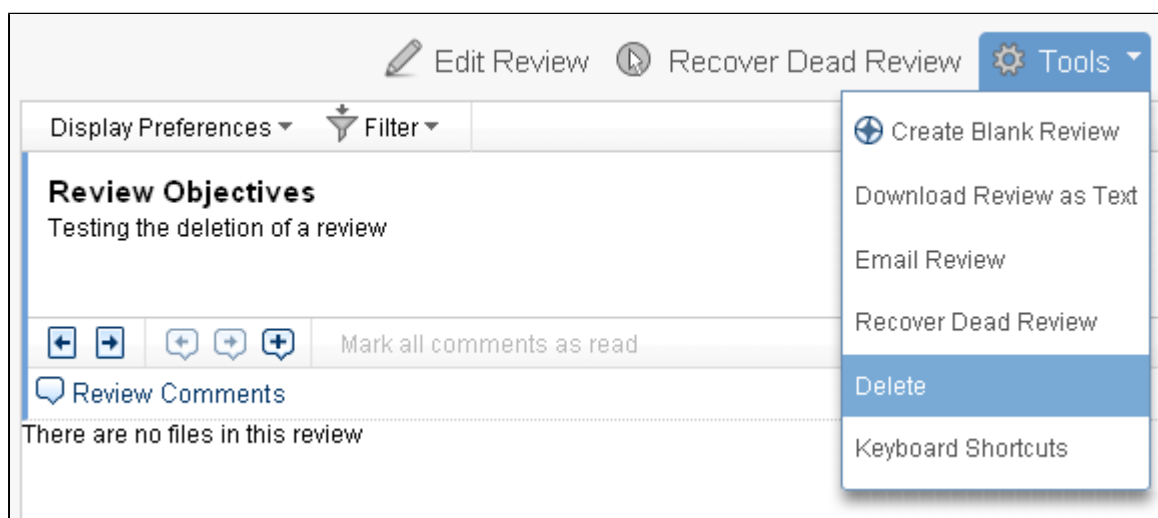
Related page:

- [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



Transitioning JIRA issues

When Crucible is [linked to JIRA](#), you can advance the workflow for a JIRA issue directly from within Crucible.

You can transition a JIRA issue in two ways:

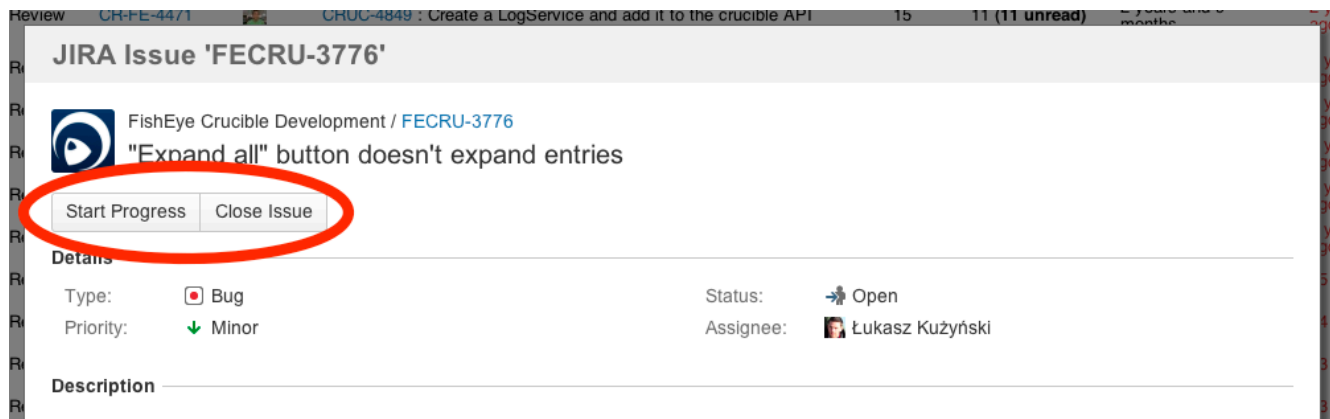
- Transitioning any JIRA issue at any time
- Transitioning a linked JIRA issue when closing the review

Related pages:

- [JIRA integration in Crucible](#)
- [Creating JIRA issues from the review](#)
- [Linking Crucible to JIRA](#)

Transitioning any JIRA issue at any time

You can easily [transition](#) a JIRA issue at any time from within Crucible. Click on a JIRA issue link anywhere in Crucible to see a dialog with the available workflow steps:

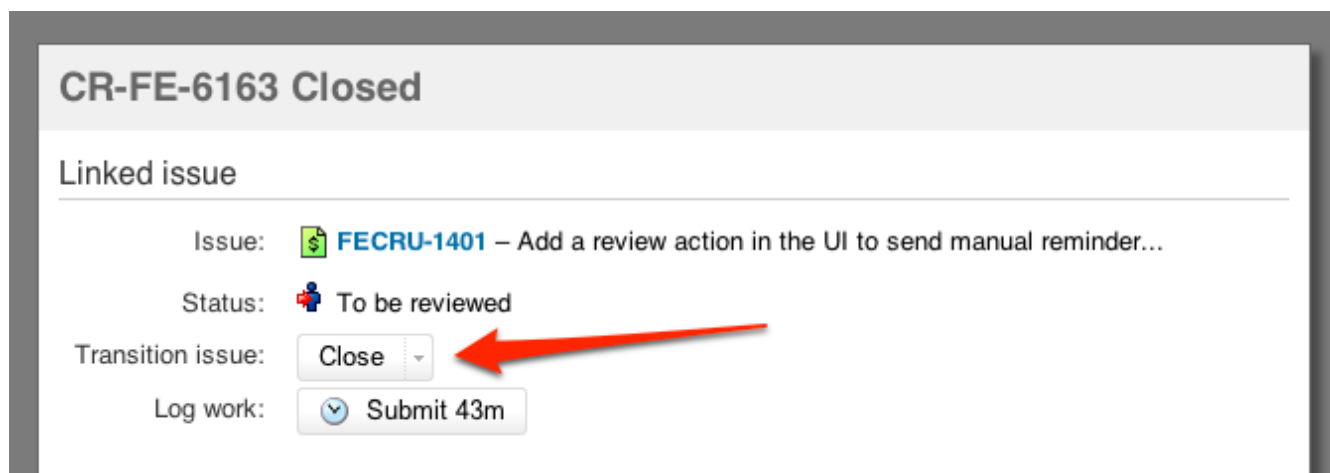


Click on a step in the dialog, and complete any displayed fields as required. If there are custom required fields that are unsupported by Crucible, just click **Edit this field in JIRA** to transition the issue directly in JIRA.

Transitioning a linked JIRA issue when closing the review

When closing a Crucible review you may also want to close a JIRA issue that is [linked to that review](#).

In the Review Summary screen, click **Close** near the top right. In the 'Closed' dialog, the available workflow transitions for the linked JIRA issue appear in the **Transition issue** dropdown:



Choose a step from the dropdown, and click **Close**.

Notes

- 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.
- Crucible administrators can turn off JIRA issue transitioning by disabling the Crucible Issue Transitioning Plugin. See [Managing add-ons](#).

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

Crucible releases

Crucible 3.4

15 April 2014

- Importing Git repositories from Atlassian Stash
- Administration REST APIs – `/repositories/`
- Header stalking behaviour

Read more in the [Crucible 3.4 release notes and changelog](#).

See the [Crucible upgrade guide](#).

Crucible 3.3

11 February 2014

- Improved review subheader
- Administration REST APIs
- Subversion 1.8 is now supported
- Microsoft Internet Explorer 11 is now supported

Read more in the [Crucible 3.3 release notes and changelog](#).

See the [Crucible upgrade guide](#).

Crucible 3.2

27 November 2013

- Quick Search filters
- User data moved to the SQL database
- Improved protection against XSRF
- Internally managed Git repositories no longer supported by FishEye 3.2
- Microsoft SQL Server 2012 is now supported ([support for SQL Server 2005 is deprecated](#))
- Microsoft Internet Explorer 10 is now supported ([support for IE 8 is deprecated](#))
- MySQL 5.0 [is deprecated](#)
- PostgreSQL 8.2 [is deprecated](#)
- FishEye communication with JIRA versions older than 5.0 is [no longer supported](#)
- More in the [release notes and changelog](#)

See the [Crucible upgrade guide](#).

Crucible 3.1

27 August 2013

- Dashboard improvements
- QuickNav and QuickSearch improvements
- New JIRA issue dialog
- Transition JIRA issues from within Crucible
- Small improvements: native SVN 1.7, OpenJDK
- More in the [release notes and changelog](#)

See the [Crucible upgrade guide](#).

Crucible 3.0

30 May 2013

- Redesigned user experience
- Review CLI tool
- Iterative pre-commit reviews
- Platform upgrades: Jetty 8, Infinity 3 DB
- Optimised indexing for new SVN repositories
- Small improvements
- More in the [release notes and changelog](#)

See the [Crucible upgrade guide](#).

Crucible 2.10

15 January 2013

- Inline issue creation
- Repository management REST API
- Repository review creation limit
- More in the [release notes](#)
- [Crucible 2.10 upgrade guide](#)

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 the [release notes](#)
- [Crucible 2.9 upgrade guide](#)

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 the [release notes](#)
- [Crucible 2.8 Upgrade Guide](#)

Crucible 2.7

7 September 2011

- JIRA Transitions in Crucible
- Review Reminders
- Small Improvements
- More in the [release notes](#)
- [Crucible 2.7 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 2.6 Upgrade Guide](#)

Crucible 2.5

8 February 2011

- Oracle (Beta)
- Redesigned Activity Stream
- Improved Header
- Comment Notification Batching
- More in the [release notes](#)
- [Crucible 2.5 Upgrade Guide](#)

▼ [Crucible older release notes \(click to expand\)](#)

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 the [release notes](#)
- [Crucible 2.4 Upgrade Guide](#)

Crucible 2.3

26 May 2010

- Snippet Reviews
- Changeset Discussions
- Mercurial SCM Alpha
- Review Coverage report
- Revamped Installation Process
- Gadgets
- More in the [release notes](#)
- [Crucible 2.3 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 2.2 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 2.1 Upgrade Guide](#)

Crucible 2.0

30 June 2009

- Support for iterative reviews
- New User Interface
- Indicators for read/unread comments
- Enhanced JIRA integration
- More in the [release notes](#)
- [Crucible 2.0 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 1.6 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 1.5 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 1.2 Upgrade Guide](#)

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 the [release notes](#)
- [Crucible 1.1 Upgrade Guide](#)

Crucible 1.0.x Changelog

▼ [Security advisories \(click to expand\)](#)

Security advisories

- [FishEye and Crucible Security Advisory 2013-07-16](#)
- [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 2014-02-26](#)

Crucible upgrade guide

This page describes how to upgrade to a new version of Crucible.

- For the latest Crucible release, see [Crucible releases](#).
- Read about how your [Crucible installation works with FishEye](#).
- For production environments we recommend that you test the Crucible upgrade on a QA server before deploying to production.

On this page:

- [Upgrade steps](#)
- [Upgrading to Crucible 3.4](#)
- [Upgrading to Crucible 3.3](#)
- [Upgrading to Crucible 3.2](#)
- [Upgrading to Crucible 3.1](#)
- [Upgrading to Crucible 3.0](#)
- [Checking for known issues and troubleshooting the Crucible upgrade](#)

Upgrade steps

This section provides general instructions for upgrading Crucible. See also the specific notes on this page for the version of Crucible you are upgrading to. We *strongly recommend* that you upgrade Crucible by following these steps:

- Back up your **entire** Crucible instance (see [Backing up and restoring Crucible data](#)):
 - 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](#).
- Read the [Release Notes and Changelog](#) and version-specific Upgrade Guides for the version you are upgrading to, as well as for any versions you are skipping.
- Read the [Supported platforms](#) page for the full list of supported platforms for Crucible.
- [Download](#) the Crucible zip file.
- Once the new version of Crucible is installed, remember to update any custom configurations in the new version of Crucible, for example your SQL driver and your wrapper.config file.

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 `FISHEYE_INST` 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 [Installing FishEye on Windows](#) or [Installing FishEye on Linux and Mac](#).
- 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 [FishEye as a Windows service](#) 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

▼ [Click here to expand...](#)

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, using `bin\stop.bat` or `bin\stop.sh` from the `<FishEye home directory>`.
2. Make a backup of your `FISHEYE_INST` directory.
3. Download [FishEye](#) or [Crucible](#).
4. Extract the new FishEye/Crucible version to a new directory.
5. Leave your `FISHEYE_INST` 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 upgrade guide](#) or [Crucible upgrade guide](#).

Method 2: Without a `FISHEYE_INST` directory

▼ [Click here to expand...](#)

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 [FishEye](#) 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 server, using `bin\stop.bat` or `bin\stop.sh` from the `<FishEye home directory>`.
4. Copy `<FishEye home directory>/config.xml` to `<New FishEye home directory>`.
5. Delete the following directories from the `<New FishEye home directory>/var` directory:
 - `<New FishEye home directory>/var/cache`
 - `<New FishEye home directory>/var/data`
 - `<New FishEye home directory>/var/log`
6. Copy (or move) the following directories from `<FishEye home directory>/var` to `<New FishEye home directory>/var`:
 - `<FishEye home directory>/var/cache`
 - `<FishEye home directory>/var/data`
 - `<FishEye home directory>/var/log`

DO NOT include the following directories when you do that:

 - `<FishEye home directory>/var/osgi-cache`
 - `<FishEye home directory>/var/plugins`
 - `<FishEye home directory>/var/tmp`
7. Delete the `<New FishEye home directory>/cache` directory.
8. Copy (or move) the `<FishEye home directory>/cache` directory to `<New FishEye home directory>/cache`.
9. Start FishEye/Crucible from the new installation by running `<New FishEye home directory>/bin/run.sh`. (Use `run.bat` on Windows.)
10. Follow any version-specific instructions found in the [FishEye upgrade guide](#) or [Crucible upgrade guide](#).

Method 3: Without a `FISHEYE_INST` directory, but would like to set one up

▼ [Click here to expand...](#)

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 `FISHEYE_INST` 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 server, using `bin\stop.bat` or `bin\stop.sh` from the `<FishEye home directory>`.
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. If it exists, copy the `<FishEye home directory>/data` directory to the `FISHEYE_INST` directory.
8. Extract the new FishEye/Crucible archive into a directory such as `<New FishEye home directory>`.
9. Start FishEye/Crucible from the new installation by running `<New FishEye home directory>/bin/run.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.
10. Follow any version-specific instructions found in the [FishEye upgrade guide](#) or [Crucible upgrade guide](#).


Upgrading to Crucible 3.4

Please also see the [Upgrade steps](#) section above.

Please read the [End of Support Announcements for Crucible](#) and the Crucible [Supported platforms](#) page.

Known issues for Crucible 3.4

T	Key	Summary	Status
	CRUC-6767	ReviewService methods using RepositorySources may fail if there's no Disposer defined	OPEN

 [Authenticate](#) to retrieve your issues

1 issue

Upgrading to Crucible 3.3

Please also see the [Upgrade steps](#) section above.

As previously announced, the following platforms are no longer supported by Crucible 3.3:

- Internet Explorer 8
- MySQL 5.0
- PostgreSQL 8.2
- SQL Server 2005








Please read the [End of Support Announcements for Crucible](#).


Supported platform upgrades

- SVN 1.8 is supported by Crucible 3.3.
- Microsoft Internet Explorer 11 is supported by Crucible 3.3.

See the Crucible [Supported platforms](#).

Known issues for Crucible 3.3

T	Key	Summary	Status
	CRUC-6767	ReviewService methods using RepositorySources may fail if there's no Disposer defined	OPEN
	CRUC-6745	Can't configure Mail Server with gmail account configured for 2-step authentication	OPEN
	CRUC-6741	Smart commit is not parsed if there is "#" before that.	OPEN
	CRUC-6730	REST API doesn't allow to create a review if the patch can't be anchored	OPEN
	CRUC-6720	Creating a review of a binary revision before SVN processing is complete renders binary file as text	OPEN
	CRUC-6703	Author field does nothing when trying to filter a SCMSource repo	OPEN
	CRUC-6702	Impossible to selecting a repo with a name greater than 80 chars when adding to review	OPEN


 Authenticate to retrieve your issues

7 issues

Upgrading to Crucible 3.2

Please also see the [Upgrade steps](#) section above, and read the [End of Support Announcements for Crucible page](#).

Please note the following changes in Crucible 3.2:

REST endpoint change

For Crucible 3.2, the `RestReviewService.remindIncompleteReviewers()` (`/rest-service/reviews-v1/{reviewId}/remind`) end point was changed from accepting `'application/x-www-form-urlencoded'` content type with `'message'` and `'recipient'` params to `'application/json'` content type with `'message'` and `'recipients'` JSON fields. See <https://docs.atlassian.com/fisheye-crucible/latest/wadl/crucible.html#d2e1881>.

User data is moved from data0.bin to the SQL database

An upgrade task is run on startup that moves user data to the SQL database. We are doing this to mitigate the risk of data corruption or loss.

XSRF protection

FishEye/Crucible 3.2.0 includes protection against XSRF attacks.

If you have implemented a `LightSCM` plugin, and have used the `SimpleConfigurationServlet` base class provided in the `scmutils` library, you will need to modify your administration page so that it performs `'delete'` operations using an HTTP POST, not a GET.

You can have FishEye convert your anchor tags to form POSTs at runtime by giving them the class `"anchor-post"`. For example, the anchor:

```
<a class="anchor-post" href="#"
data-href="/fsscm?name=TEST&delete=true">Delete</a>
```

will be converted into a form which POSTs to `/fsscm` with form parameters `name=TEST` and `delete=true`.

Internally managed Git repositories no longer supported

As [previously announced](#), internally managed Git repositories are no longer supported by FishEye 3.2.




Please read the [migration guide](#) for information about options and procedures for migrating your internally managed Git repositories – note that we recommend that you upgrade to FishEye 3.2 before migrating any internally managed repositories.


Supported platform upgrades

- Communication with JIRA versions older than 5.0 is [no longer supported](#).
- Microsoft SQL Server 2012 is now supported ([support for SQL Server 2005 is deprecated](#)).
- Microsoft Internet Explorer 10 is now supported ([support for IE 8 is deprecated](#)).
- MySQL 5.0 [is deprecated](#).
- PostgreSQL 8.2 [is deprecated](#).
- The Atlassian AUI plugin has been upgraded to AUI 5.2.
- jQuery has been upgraded to 1.8.3.
- backbonejs has been upgraded to 1.0.

See the Crucible [Supported platforms](#).

Known issues for Crucible 3.2

T	Key	Summary	Status
	CRUC-6767	ReviewService methods using RepositorySources may fail if there's no Disposer defined	OPEN
	CRUC-6158	Review performance in IE 8&9 is pathetic	OPEN
	CRUC-6485	Indicate that the listing of reviewers is truncated in the Edit Details view	OPEN

 [Authenticate](#) to retrieve your issues

[3 issues](#)

Upgrading to Crucible 3.1

Please also see the [Upgrade steps](#) section above, and read the [End of Support Announcements for Crucible](#) page.

Please note the following changes in Crucible 3.1:

Crucible 3.1 Merge some per-repository Lucene indices into a global cross-repository Lucene index

Crucible 3.1 has greatly improved performance and scalability for QuickSearch and QuickNav. To achieve this, the per-repository 'METADATA' Lucene indices will be moved into a single global cross-repository Lucene index. This means Crucible is able to search across more repositories in less time because now only a single search index needs to be queried instead of the previous N. Merging these indices into the single cross-repository index can be refreshed in two ways:

1. **Recommended:** As an upgrade task that is run automatically when Crucible 3.1 is run for the first time.
2. As an offline process on a separate staging server.

During the automatic upgrade task, Crucible is fully usable and functional, although search results for files, commits and committers may be incomplete.

In our testing we have found that the automatic upgrade task took 4 hours to complete on a Crucible instance with 144 repositories of different kinds, with 58 GB of data in the FISHEYE_INST folder (excluding logs). We are confident that the automatic upgrade task is suitable for the majority of production Crucible installations. *It is worth repeating that the instance was fully functional (reviews, JIRA Integration, Activity Streams, Charts etc) apart from Quick Nav and Quick Search during this time.*

Nevertheless, where required, we provide [instructions for performing the reindex as an offline process](#) on a separate staging server.





Plugin Settings will be moved from the config.xml to the SQL database

As of Crucible 3.1.0, plugin settings which were previously stored in the <properties> element inside config.xml will be stored in the SQL database. This includes settings for any bundled plugins such as ApplicationLinks, the UniversalPluginManager etc, and any 3rd party plugins.

An upgrade task is run on startup which will first insert all the properties found in config.xml into a new table in the SQL database. Once successful, the properties are removed from config.xml.

As part of this change, the `RepositoryOptions.setProperties (Map<String, String>properties)` and `RepositoryOptions.getProperties()` methods have been removed from our API. If you are using a plugin which uses either of these methods, you will need to update the plugin to a version which uses the Spring component `PluginSettingsFactory`. Plugins can use this to access the migrated global and per-repository properties that were previously available via the old `RepositoryOptions` API.

Known issues for Crucible 3.1

T	Key	Summary	Status
	CRUC-6767	ReviewService methods using RepositorySources may fail if there's no Disposer defined	OPEN
	CRUC-6597	Cyrillic is not working in comments	OPEN
	CRUC-6568	Duplicated files on review	OPEN
	CRUC-6596	Resolving long content hashes from short content hashes in git patches goes over the whole contentHashDB for each hash in patch	OPEN



Authenticate to retrieve your issues

4 issues

Upgrading to Crucible 3.0

Please also see the [Upgrade steps](#) section above.

Please note the following changes in Crucible 3.0:

Jetty 8

Crucible 3.0 now uses Jetty 8 as its web server and Java servlet container. This change should be completely transparent when you upgrade to Crucible 3.0. However, if you have customised either your `jetty-web.xml` file, or the `maxFormContentSize` [system property](#), you will need to update those in the new version. See [Enabling Access Logging in FishEye](#) and this [FishEye KB page](#) for more information.

Infinity DB

Crucible 3.0 now uses the InfinityDB 3.0 database internally to provide improved performance for concurrent access to Crucible. This change is transparent to users in all respects.

Pipelined indexing

Crucible 3.0 introduces a new indexing approach that splits the repository indexing process into separate tasks that can be performed in a phased and concurrent way. Users will benefit from the way in which Crucible functionality, such as review creation, now becomes available as indexing progresses. This change is transparent to users in all other respects. See [Pipelined indexing](#).


Improved handling of user preferences with session cookies


Upgrading may result in some users losing their preferences.

SQL Server transaction isolation configuration

We recommend a configuration change for SQL Server to use snapshot mode for the transaction isolation level – see [Migrating to SQL Server](#). This change avoids occasional database deadlocks, and prevents performance warning messages in the logs and admin screens.

Known issues for Crucible 3.0

T	Key	Summary	Status
	CRUC-6767	ReviewService methods using RepositorySources may fail if there's no Disposer defined	OPEN
	CRUC-6567	Perforce native SCM management get branches completely wrong	

		OPEN
	CRUC-6521 File creation is not displayed as change	OPEN
	CRUC-6596 Resolving long content hashes from short content hashes in git patches goes over the whole contentHashDB for each hash in patch	OPEN
	CRUC-6550 Code Review UI real estate misallocation	OPEN
	CRUC-6528 User still suggested for review after disabling for him Crucible	OPEN
	CRUC-6520 If the P4DIFF environment variable is set, the crucible.py review tool might not be able to get the patch properly	OPEN
	CRUC-6487 ConstraintViolationException: could not insert: [com.cenqua.crucible.model.CommentReadStatus]	OPEN
	CRUC-6470 Inline issue creation: when not logged in to Crucible the review comment icon is not fetched	OPEN
	CRUC-6447 Providing s FishEye licence does not allow repositories to be started until FishEye itself has been stopped and started	OPEN
	CRUC-5833 Problem creating FRXDO from frx: Index: 395	OPEN
 Authenticate to retrieve your issues		

11 issues

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 [Fisheye and Crucible 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 [troubleshooting 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.

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.

You simply need to add a Crucible license to your existing FishEye installation, and then follow the initial configuration steps below.

You do not need to download Crucible from Atlassian.

To add your Crucible license key, go to the admin area and click **System Info** (under 'System Settings'). Click **Edit License** (under 'License') to enter your Crucible license key. You can view your license key [here](#). The Crucible functionality will be instantly unlocked.

 Read about how your [Crucible installation works with FishEye](#).

On this page:

- [Initial Crucible configuration](#)

Initial Crucible configuration

1. You can access FishEye/Crucible immediately by going to <http://HOSTNAME:8060/> in a browser.
2. If you do not already have user accounts configured, you will need to do this via the Administration screens or by configuring FishEye/Crucible to use external authentication.
To add users:
 - Open the [FishEye Administration screens](#) at <http://HOSTNAME:8060/admin/>.

- Click **Users** under 'User Settings' in the admin area.
Read more details about the different ways of [creating users](#).
3. 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 [User Profile guide](#). First, you must [set up the SMTP Server](#).

Crucible 3.4 release notes

15 April 2014

Today we're proud to release [Crucible 3.4](#).

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#). Please also read the [End of Support Announcements for Crucible](#).

The Crucible 3.4 changelog is [at the bottom](#) of this page.

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Importing Git repositories from Atlassian Stash

When FishEye is integrated with Atlassian [Stash](#) a FishEye administrator can now easily add Stash repositories to FishEye – with just a single click. Once added, the repository behaves just like a native repository in FishEye, so your team gets all the benefits of FishEye indexing, browsing and searching. Furthermore, the repository becomes available to Crucible (when integrated), so you can perform in-depth code reviews for changes made to the Stash repository. [Read more...](#)

Repositories

Native repository access (119) Stash repositories Plugins (4)		
Add Repositories hosted in Atlassian Stash to FishEye. ⓘ		
Stash server	Stash Dev	🔍 Type to filter repositories
Repository	FishEye repository	Actions
aaaaTest / Test Project & other things		<button>Add</button>
access-log-parser / Stash	STASH-access-log-parser	<button>ADDED</button>
access-log-parser / Jens Schumacher		<button>Add</button>
adam2 / Blitz	BLTZ-adam2	<button>ADDED</button>
AMKT / Test Project & other things	TEST-amkt	<button>ADDED</button>

Administration REST APIs – part 2

In Crucible 3.3, we added `/users/` and `/groups/` resources so you could programmatically maintain users and groups, and manage group memberships.

Now, for Crucible 3.4, we've extended the Crucible REST APIs even further with the `/repositories/` resource to allow you to automate a range of administration tasks.

Note that the 'v1' REST API resources are deprecated and will be removed in a future release.

See the [FishEye Crucible REST API](#).

Small improvements

Header behavior

You'll notice that the headers for changeset, source code and review listings now stalk – they stay visible



when you scroll down. Just a small improvement to make life easier.








Change log


This section will contain information about the Crucible 3.4 minor releases as they become available. These releases will be free to all customers with [active Crucible software maintenance](#).

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).

The issues listed below are just the highlights of all those that have been resolved for the Crucible 3.4.x releases.

15 April 2014 - Crucible 3.4.0

T	Key	Summary
	CRUC-474	Allow adding a group as moderators/reviewers of reviews
	CRUC-6744	Add option to license user for Crucible access upon user creation
	CRUC-6743	Project page gets date of most recent changes very inefficiently
	CRUC-6736	Review Attachments do not have their encoding correctly determined
	CRUC-6728	P4 diff on recent versions of Perforce does not produce the unified diff header we expect, even with the correct flags
	CRUC-6566	Reviews are not being sorted based on "Name" column
	CRUC-6469	CommentDeletedEvent is not getting triggered.

 Authenticate to retrieve your issues

7 issues

Crucible 3.3 release notes

11 February 2014

Today we're proud to release [Crucible 3.3](#).

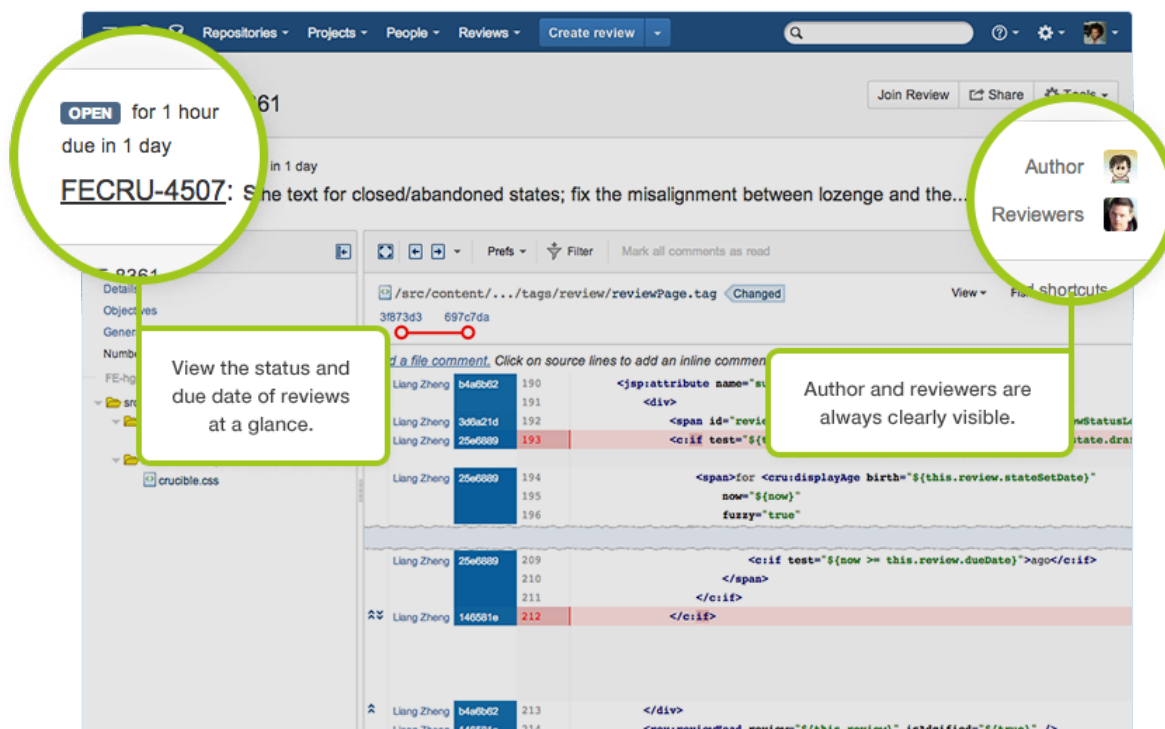
If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#). Please also read the [End of Support Announcements for Crucible](#).

The Crucible 3.3 changelog is [at the bottom](#) of this page.

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Improved review header

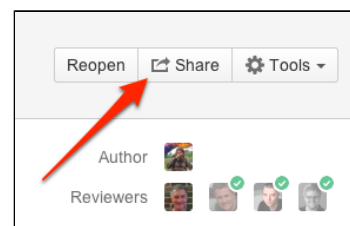
Continuing the work to enhance your experience of using Crucible, we've improved the review header. The header now has a cleaner layout, and we think you'll find it easier to see key information such as the review status, due date and who the author and reviewers are:



We'd like to call out the keyboard shortcut to toggle fullscreen mode (Shift-F), which hides the header and frees up that precious screen real estate. By the way, Shift-T toggles the left-hand file tree panel.

Sharing replaces inviting a guest reviewer

Crucible allows you to share a review with anyone, which is quicker and more versatile than inviting a guest reviewer, so we've removed that ability from Crucible 3.3.



Administration REST APIs

We're extending the Crucible REST APIs to allow you to automate a range of administration tasks. For Crucible 3.3, we've added `/users/` and `/groups/` resources – these allow you to programmatically retrieve, update and delete both users and groups, and to add users to, or remove them from, groups.

See [FishEye Crucible REST API](#).

Support for Subversion 1.8

Crucible now supports Subversion 1.8, so you can use Crucible to review your Subversion 1.8 repositories. See [Native support for SVN 1.7](#).



Support for Internet Explorer 11

Crucible now supports Microsoft Internet Explorer 11.

See [Supported platforms](#).



Small improvements

Platform changes

- Support for IE 8 has now ended with the release of Crucible 3.3.

- [Support for MySQL 5.0](#) has now ended with the release of Crucible 3.3.
- [Support for PostgreSQL 8.2](#) has now ended with the release of Crucible 3.3.
- [Support for SQL Server 2005](#) has now ended with the release of Crucible 3.3.

See [Supported platforms](#).

Change log

This section will contain information about the Crucible 3.3 minor releases as they become available. These releases will be free to all customers with [active Crucible software maintenance](#).

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).

The issues listed below are just the highlights of all those that have been resolved for the Crucible 3.3.x releases.

4 April 2014 - Crucible 3.3.3

This release contains FishEye fixes only

19 March 2014 - Crucible 3.3.2

Key	Summary	T
CRUC-6743	Project page gets date of most recent changes very inefficiently	
CRUC-6736	Review Attachments do not have their encoding correctly determined	
CRUC-6728	P4 diff on recent versions of Perforce does not produce the unified diff header we expect, even with the correct flags	
CRUC-6469	CommentDeletedEvent is not getting triggered.	



Authenticate to retrieve your issues

4 issues

21 February 2014 - Crucible 3.3.1

This release contains FishEye fixes only

11 February 2014 - Crucible 3.3.0

T	Key	Summary
	CRUC-6685	Display project name in Create Review project dropdown
	CRUC-6710	Branch and User are not longer filtered on "add changset to review" dialog
	CRUC-6687	Filter changesets by user rather than by guessing user's default committer
	CRUC-6682	Add Content to Review: repo names are truncated, leading to inability to distinguish repos with similar names.
	CRUC-6315	Error on writing config.xml causes file corruption
	CRUC-6079	Completing a review may give a "Could not execute JDBC batch update" error when the reviewer has deleted a comment someone else has replied to
	CRUC-5798	Linking review throws JavaScript errors
	CRUC-5347	Author does not have visibility of a peer review when it has moved to the Moderator's To Summarize Inbox



Authenticate to retrieve your issues

8 issues

Crucible 3.2 release notes

27 November 2013

Today we're excited to release [Crucible 3.2](#), which brings a range of usability and platform improvements.

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#). Please also read the [End of Support Announcements for Crucible](#).

The Crucible 3.2 changelog is [at the bottom](#) of this page.

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High design values with the ADG

We've been applying the [Atlassian Design Guidelines](#) to make using Crucible a better experience – the layout and behaviour have been improved, and if you use other Atlassian products then Crucible will feel very familiar from the moment you log in. In particular, for Crucible 3.2, the header area for a review now has a much cleaner layout:

The screenshot displays the Crucible 3.2 interface for a review titled "FECRU-4055: Handling of deleted files in Git manifest tracking". The interface is clean and modern, with a top navigation bar and a sidebar. The main content area shows a table of participants and their roles.

Participant	Role	Time Spent	Comments	Latest Comment
Conor MacNeill	Author	3m		
Lukasz Pater	Reviewer - 0% reviewed			
Thomas Davies	Reviewer - 0% reviewed			
Total		3m	0	

Linked Issue: [FECRU-4055](#) – Handling of deleted files in Git manifest tracking

Quick Search filters

We've added filters to QuickSearch, to make finding the content you want even quicker!

Now, in Crucible 3.2, you can also filter by the last modified date and by author.

Of course, for a while now, you've been able to filter search results by reviews and review comments, and restrict the search scope for reviews to a particular project. And when used with [Atlassian FishEye](#), you can filter for different source types such as files and directories, commit messages, diffs, file content, and committers.

The screenshot shows the Crucible search interface with the search term 'test'. The left sidebar contains filters for Source, Reviews, and Last modified. The main area shows search results sorted by relevance. Red arrows and text labels point to specific filters and results:

- Restrict to one repo**: Points to the 'All repositories' filter in the Source section.
- Restrict to a project**: Points to the 'All projects' filter in the Reviews section.
- Restrict by date**: Points to the 'Any date' filter in the Last modified section.
- Restrict by author**: Points to the 'Conor MacNeill' filter in the By section.

The search results list several commits by Conor MacNeill, including 'FE-4954: Add unit test for follow base moves', 'ad69d97: Improve fail message in test', '5590384: Move test to its corresponding plugin test dir', 'e8c300b: FECRU-4055: Add a test (currently failing) to catch files deleted in a merge', 'e8ae626: Correct sense of test', 'd0df721: Test passes with these changes', '5330779: Correct Unit Test', '5330779: Correct Unit Test', '402c73b: Fix some test failures', and '402c73b: Fix some test failures'.

Read more about [searching in Crucible...](#)

Internally managed Git repositories are no longer supported

As [previously announced](#), internally managed Git repositories are no longer supported by FishEye 3.2.

Please read the [migration guide](#) for information about options and procedures for migrating your internally managed Git repositories.

Crucible communication to JIRA versions older than 5.0 is no longer supported

As [previously announced](#), communication from Crucible to JIRA versions older than 5.0 is no longer supported by Crucible 3.2. Please note that communication from JIRA to Crucible will continue to work as it currently does.

Small improvements

Platform upgrades

- Microsoft SQL Server 2012 is now supported (support for SQL Server 2005 is deprecated).
- Microsoft Internet Explorer 10 is now supported (support for IE 8 is deprecated).
- MySQL 5.0 is deprecated.
- PostgreSQL 8.2 is deprecated.
- The Atlassian AUI plugin has been upgraded to AUI 5.2.
- jQuery has been upgraded to 1.8.3.
- backbonejs has been upgraded to 1.0.

See [Supported platforms](#).

Improved protection against XSRF attacks

We've added a security token to protect Crucible from XSRF attacks and to allow plugin developers to add protection to their plugins. See the [Crucible upgrade guide](#) for details of changes required by LightSCM

plugins.

User data moved to the SQL database

To prevent any chance of loss, the user data store has relocated. See the [Crucible Upgrade guide](#) for details.

Change log

This section will contain information about the Crucible 3.2 minor releases as they become available. These releases will be free to all customers with [active Crucible software maintenance](#).

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).

The issues listed below are just the highlights of all those that have been resolved for the Crucible 3.2.x releases.

15 January 2014 - Crucible 3.2.4

This release contains FishEye fixes only

16 December 2013 - Crucible 3.2.3

This release contains FishEye fixes only

11 December 2013 - Crucible 3.2.2

This release contains FishEye fixes only

6 December 2013 - Crucible 3.2.1

This release contains FishEye fixes only

27 November 2013 - Crucible 3.2.0

T	Key	Summary
	CRUC-6609	JIRA issue transition after closing review looks bad
	CRUC-6662	Privilege escalation
	CRUC-6624	Document changes to the sharing features of Crucible
	CRUC-6620	Broken tooltip in quicknav for reviews
	CRUC-6608	Review indexing interrupted by killing application does not continue after restart
	CRUC-6595	Some Ajax calls never return, eventually timeout with a 502 proxy error
	CRUC-6588	Make it possible to query only selected users via REST
	CRUC-6587	REST /users-v1/username should return a limited data set for other users
	CRUC-6586	Should return avatar from external server if configured
	CRUC-4697	Empty strings accepted in proxy-host / proxy-scheme
	CRUC-3008	REST should return a 401 when using invalid basic http credentials instead of falling back to anonymous



Authenticate to retrieve your issues

11 issues

Crucible 3.1 release notes

27 August 2013

Today we're excited to release [Crucible 3.1](#), which brings you a cleaner and faster interface. We've also added some further JIRA integration points.

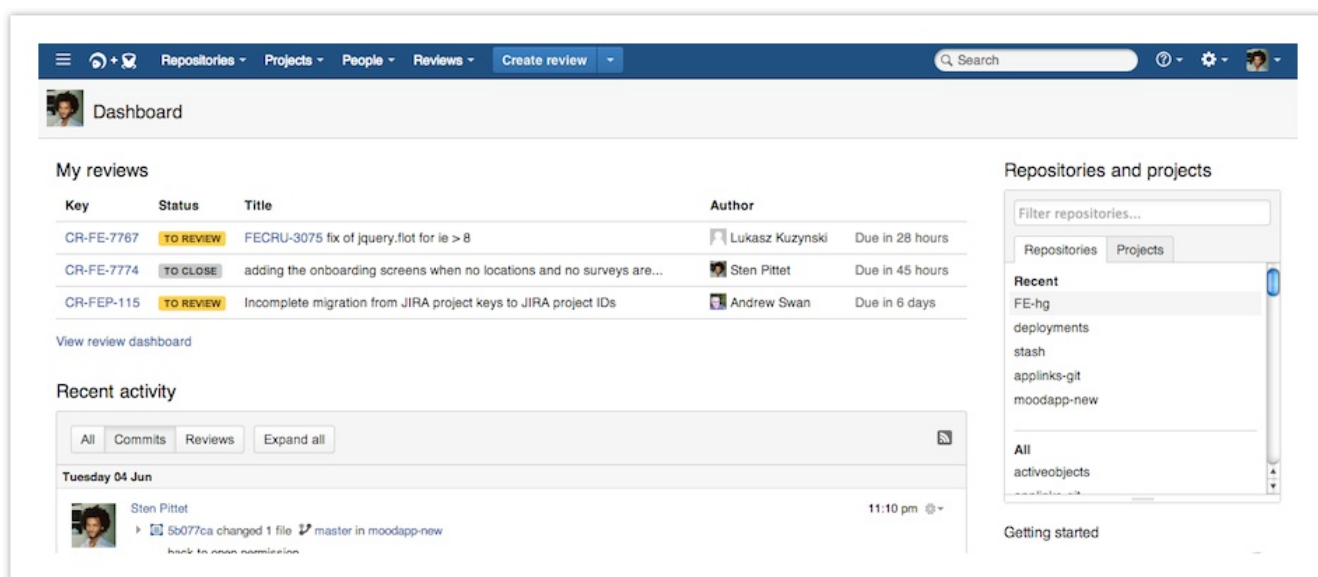
If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#). Please also read the [End of Support Announcements for Crucible](#).

The Crucible 3.1 changelog is [at the bottom](#) of this page.

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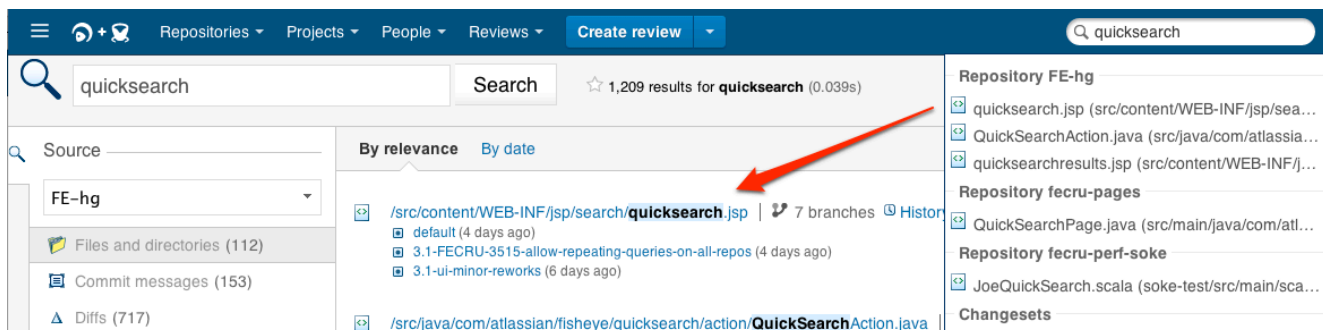
The new Dashboard

Crucible's new dashboard makes your pending reviews the highest priority, putting them right at the top and clearly indicating their urgency. The repository and project navigator lets you jump to your recent content (try pressing Enter as soon as you launch the dashboard), and includes filters and keyboard shortcuts that facilitate navigation, especially when your organisation has hundreds of repositories.



QuickNav and QuickSearch improvements

Previously in Crucible, QuickSearch was limited to searching 100 repositories concurrently. Now, in Crucible 3.1, you can search across files and directories, commit messages, and committers, for every one of your repositories. And it's 40% faster. And you can order search results by date. Furthermore, QuickNav now uses the same indexes as QuickSearch, so it's faster too, and it produces the same results as QuickSearch:

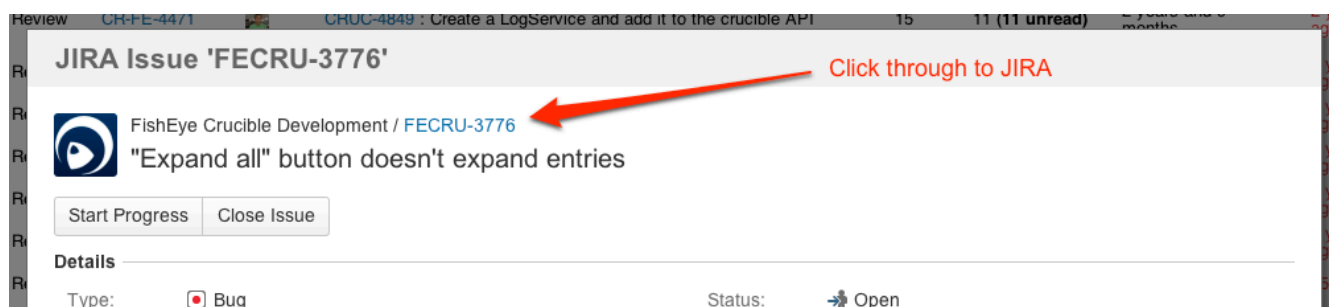


Note that upgrading to Crucible 3.1 requires an upgrade to the cross-repository index. See the [Crucible upgrade guide](#) for details.

New JIRA issue dialog

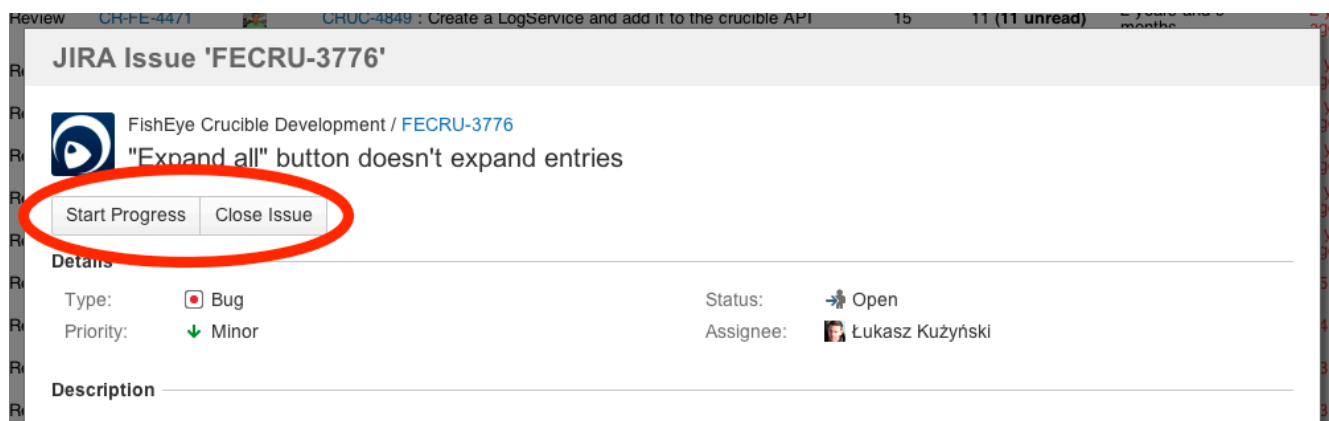
Now, when you click on any linked JIRA issue key in Crucible, you'll see a dialog that displays a summary of the

issue details. From that dialog, you can [transition the workflow](#) for the issue, and easily click through to edit the issue in JIRA:



Transition JIRA issues from within Crucible

Previously in Crucible, you could transition a JIRA issue linked to a review at the time that you closed the review. Now you can advance the workflow for any JIRA issue mentioned in Crucible at any time, right from within Crucible – just click the issue link to see the transitions available to you:

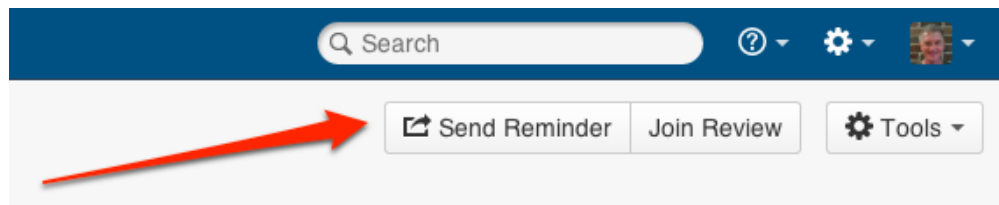


[Read more about JIRA issue transitions in Crucible ...](#)

Small improvements

Simplified reminder for overdue reviewers

Alerting reviewers about an overdue review is now a simple 1-click action:



Improved browsing performance

The display of the file source page is now 60% faster in Crucible 3.1.

Native SVN 1.7 support

Crucible 3.1 now supports the native JavaHL 1.7 SVN client. It does not support the native JavaHL 1.6 SVN client. See [Native support for SVN](#) for more details.

OpenJDK support

Crucible 3.1 now supports OpenJDK 1.7. See [Supported platforms](#) for details.

Change log

This section will contain information about the Crucible 3.1 minor releases as they become available. These releases will be free to all customers with [active Crucible software maintenance](#).


If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).

The issues listed below are just the highlights of all those that have been resolved for the Crucible 3.1.x releases.

2 December 2013 - Crucible 3.1.6

There are no Crucible-specific fixes in this release. See the [FishEye 3.1 release notes](#) for some general issues that have been fixed.


Key	Summary
CRUC-6662	Privilege escalation

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1 issue

30 October 2013 - Crucible 3.1.5

Key	Summary
CRUC-6644	Error removing files from pre-commit patch


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1 issue

8 October 2013 - Crucible 3.1.4

This release also includes some minor security fixes.


Key	Summary
CRUC-6620	Broken tooltip in quicknav for reviews


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1 issue

17 September 2013 - Crucible 3.1.3

Fixes a bug which can cause review indexing to fail when upgrading from versions prior to 3.0.

T	Key	Summary
	CRUC-6595	Some Ajax calls never return, eventually timeout with a 502 proxy error

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1 issue

11 September 2013 - Crucible 3.1.2

- a few XSS security issues addressed









29 August 2013 - Crucible 3.1.1


T	Key	Summary
	CRUC-6584	Unable to create reviews after upgrade to 3.1

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1 issue

27 August 2013 - Crucible 3.1.0

T	Key	Summary
	CRUC-6384	Allow issue transitions for issues raised in Inline Issue Creation
	CRUC-6530	Remove Crucible Transition error as a warning
	CRUC-6534	Type when starting FishEye/Crucible
	CRUC-6525	upgrade to 3.x release occasionally fails when deduplicating paths in db
	CRUC-6417	Better handling of Authentication Errors when manually linking a Review to a JIRA Issue
	CRUC-6416	Optimize number of database queries for Crucible instances with Many Projects and Permission Schemes
	CRUC-6339	Send notifications for replies to comments even if the user is not in the review
	CRUC-5503	Favouriting isn't possible on cross-repository searches

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8 issues

Crucible 3.0 release notes

30 May 2013

Today we're excited to release [Crucible 3.0](#), which introduces huge indexing performance gains – especially for Subversion repositories – and significant upgrades to how you perform pre-commit reviews. We think development teams will be able to work faster, every day.

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).

The Crucible 3.0 changelog is [at the bottom](#) of this page.

Try it for FREE ➞

Redesigned user experience

We've made a few key design changes to help you work faster with your reviews:

New global header

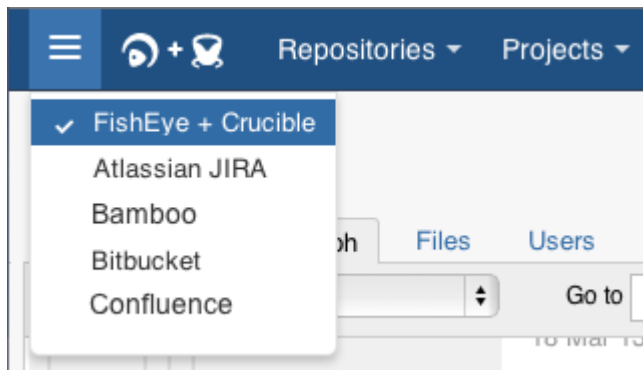
The new header across the top of the page makes it quicker to access recent repositories, projects, people

and reviews, and has the large **Create review** button at top center, right where you can find it.



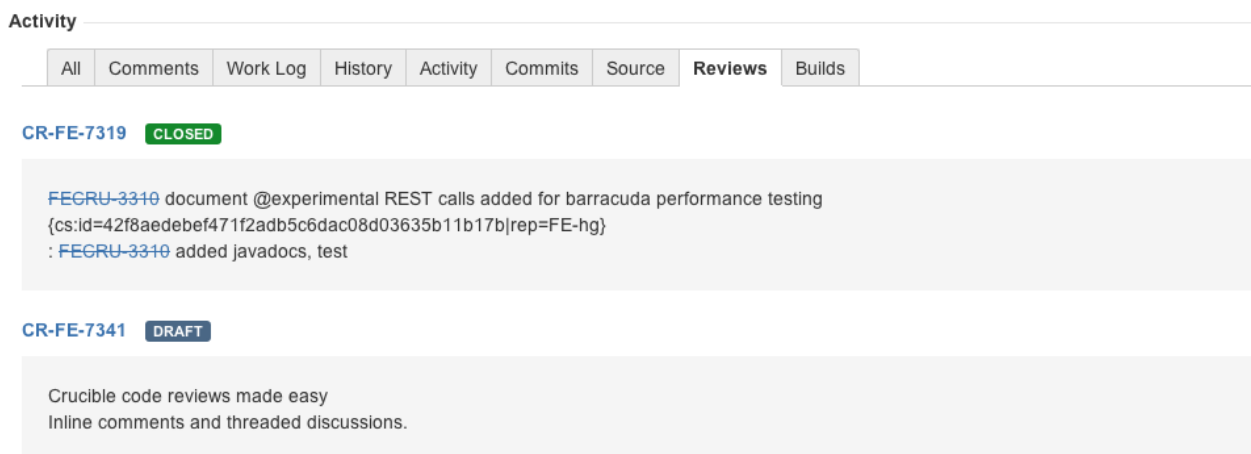
Application navigator

The new application navigator, at the left of the header, connects you directly to your other applications, such as JIRA and Bamboo. Now you can switch between Crucible and JIRA – or any other Atlassian application – all from the Crucible header. No more bookmarks in your browser; we do the job for you. Admins can easily configure which apps appear in the navigator – just click **Application navigator** in the admin area.



JIRA Reviews tab redesign

We wanted to simplify the experience but still give you the important information you need to make decisions around your issues. We think you'll like it:



Review CLI tool

Crucible now ships with a command line tool that allows you to quickly create reviews in Crucible directly from your terminal. The tool takes the uncommitted changes in your workspace and creates a review for them in Crucible. You can use the tool to create new reviews, and to update existing pre-commit reviews with new patches. [Read more..](#)

Iterative pre-commit reviews

Crucible now supports iterative reviews for both post-commit and pre-commit reviews. This allows you to update the review with new versions of files, and changesets (for post-commit reviews) or patches (for pre-commit reviews) that have been created after the review was started.

Iterative reviews allow your team to discuss changing code in the context of a single review. This lets the reviewers see all the related changes together, and to more easily keep track of comments and defects. [Read more...](#)

Create reviews sooner for new SVN repositories

We've introduced a new approach that splits the indexing process into separate tasks that can be performed in a phased and concurrent way. This allows you to start using core functionality in Crucible, such as creating reviews, up to 15X sooner than in Crucible 2.10. You can get on with your work, while Crucible quietly completes the fine details of indexing in the background. [Read more...](#)

Small improvements

Faster browsing for large teams

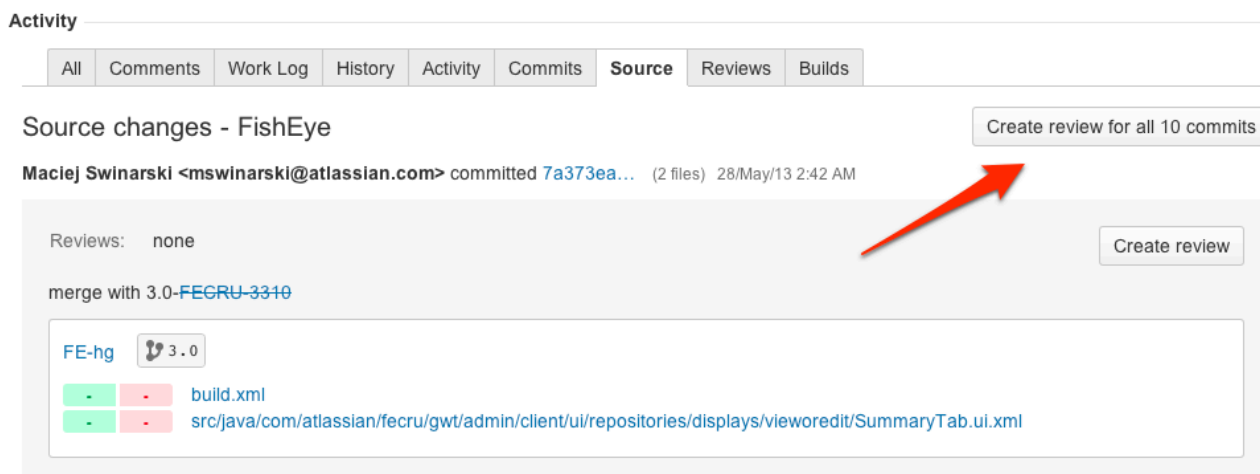
Crucible now uses the InfinityDB 3.0 internal database to provide faster concurrent access. Your team gets a better browsing experience!

Quicker review creation

We've optimised some SQL statements in Crucible. You spend less time creating, or modifying, reviews.

Better review creation from JIRA when Stash is integrated

We've improved the integration between JIRA and Crucible. Now you can create a review for all the commits related to a JIRA issue, even when Atlassian Stash is integrated with JIRA.



Diff hunk shortcuts

We've changed the 'j' and 'k' keyboard shortcuts to now work with diff hunks when looking at a review, so as to be consistent with their new behaviour in FishEye.

Improved handling of user preferences with session cookies

We've made session cookies more robust, but this may result in your existing preferences being lost at upgrade time.

REST API change

The 'groups-v1' REST endpoint now requires the user to be an administrator – it will fail authentication and return a 403 otherwise. [Read more...](#)





Change log

This section will contain information about the Crucible 3.0 minor releases as they become available. These releases will be free to all customers with [active Crucible software maintenance](#).

If you are upgrading from an earlier version of Crucible, please read the [Crucible upgrade guide](#).






The issues listed below are just the highlights of all those that have been resolved for the Crucible 3.0.x releases.

23 July 2013 - Crucible 3.0.3

T	Key	Summary
	CRUC-6556	Error editing permission scheme action containing deleted user
	CRUC-6552	Searching over REST for a JIRA Project key doesnt look at Review Linked Issues
	CRUC-6537	Deleting and recreating projects with keys which differ only in case can cause NonUniqueResultException on Viewing Review
 Authenticate to retrieve your issues		

3 issues

2 July 2013 - Crucible 3.0.2

T	Key	Summary
	CRUC-6503	Crucible upgrade may fail in the middle if DB socket timeout too short
	CRUC-6555	Can't use distinct in queries on tables with CLOB types in Oracle
	CRUC-6504	Review pre-commit tool can fail to include all the lines for an added file with Perforce
	CRUC-6416	Optimize number of database queries for Crucible instances with Many Projects and Permission Schemes
 Authenticate to retrieve your issues		










4 issues

6 June 2013 - Crucible 3.0.1

T	Key	Summary
	CRUC-6491	deduplicated null cru_stored_path rows leads to 3.0 upgrade problems
 Authenticate to retrieve your issues		

1 issue

28 May 2013 - Crucible 3.0.0

T	Key	Summary
	CRUC-6434	Add disclaimer that "Create crucible review" is only available with FishEye integration
	CRUC-6414	Update on 'Editing a Project' documentation
	CRUC-6271	Update on Using Gadgets in Crucible documentation
	CRUC-6410	Allow /filter/details to include a date range filter
	CRUC-6361	Change semantics of j/k shortcuts in Crucible, be consistent with the new diff navigation in Fisheye
	CRUC-6394	Crucible Project Repository Link is Broken if Leading Slash Is Omitted
	CRUC-6391	Documentation Update for JIRA Integration
	CRUC-6349	Crucible and FishEye Page Contains Outdated Information
	CRUC-4719	Improve Project Creation/Editing with large user base
	CRUC-4518	Crucible regularly hangs and is very slow



	CRUC-2998	Iterative pre-commit reviews
	CRUC-1452	REST API should notify client if session token is invalid
	CRUC-6466	Dismiss barracuda's feature discovery message when it is closed.
	CRUC-6463	Multiple open transactions in idle instance
	CRUC-6454	Scheduled user synchronization doesn't close DB sessions
	CRUC-6412	Stream has already been closed on getting Notifications
	CRUC-6408	URLs in comments with # followed by ! and other characters are not correctly generated.
	CRUC-6398	Unable to link to JIRA issues containing a project key longer than 10 characters, containing underscores _
	CRUC-6395	Inconsistent Repository Links on Project Page
	CRUC-6390	Documentation Update for Smart Commits



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Showing 20 out of 30 issues

Crucible 2.10 release notes

15 January 2013

With great pleasure, Atlassian presents **Crucible 2.10**, which introduces the best JIRA integration we have ever built.

- See the [change log](#) for Crucible 2.10.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 2.10 Upgrade Guide](#) 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.
- **JIRA 5.0 integration.** The features described below are supported by **JIRA 5.0**, or later, with the latest version of the [JIRA FishEye plugin](#).

Highlights of this release:

- [Inline Issue Creation](#)
- [Repository Management REST API](#)
- [Repository review creation limit](#)
- [Other announcements](#)



Download

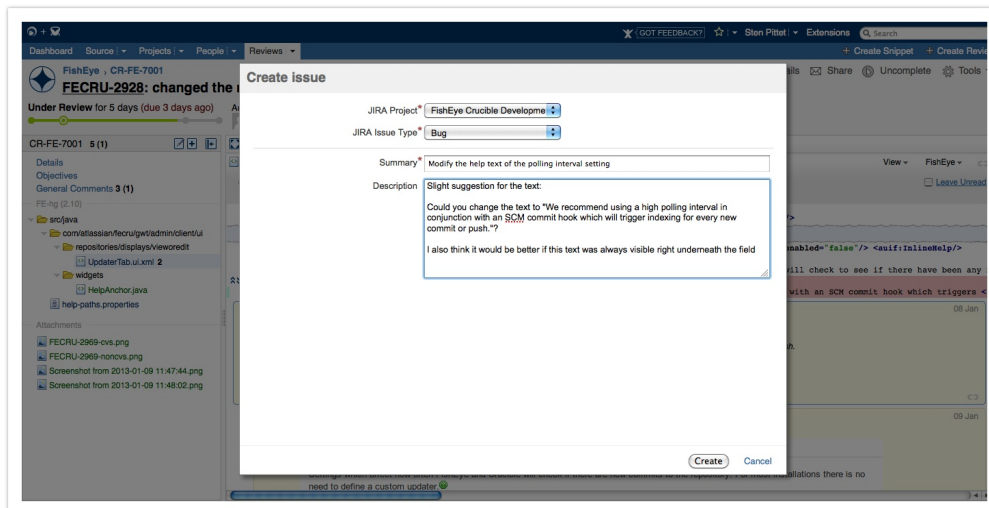
Providing feedback:

Please log your [votes and issues](#). They help us decide what needs doing, and are much appreciated!

1

Inline Issue Creation

With Crucible 2.10 you can now create any type of issue from your reviews. You only need to link your Crucible and JIRA instances to get it working. Once this is done you can create issues in any JIRA project you have access to.



2

Repository Management REST API

Crucible 2.10 lets you optimize your instance by using the REST API to trigger indexing when it's necessary. Instead of configuring Crucible to poll each repository every minute, you can add a post-commit or post-receive hook to your repositories which will ping Crucible when new commits need to be indexed.

If your repositories are hosted on Bitbucket or Github you will find corresponding Service Hooks in the settings of your repositories which will do the job for you.



3

Repository review creation limit

Crucible 2.10 now has a limit to prevent oversized reviews from being created during wrong manipulations. We have set the limit fairly high at 800 file revisions, a number way above the recommended number of files per

review. The limit will help to prevent your instance from having performance issues.



Other announcements

- Improved performance of the repositories listing in the administration interface.
- Snippets share the same permission as reviews.
- You can now easily step through the diffs in reviews via shortcuts.

The Crucible 2.10 team

Development

Core team

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Piotr wity wicki
Richard Stephens
Tom Davies
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Team lead

Nick Pellow

Product management

Sten Pittet

Project manager

Anton Mazkvoi

Support

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Daniel Rohan
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Felipe Kraemer
Gurleen Anand
Kah Loun Foong
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Rene Verschoor
Ricardo Martins

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Giancarlo Lionetti

Quality assurance

George Filippoff
Mark Hrynczak

Technical writing

Paul Watson

Operations

James Fleming

Crucible 2.10 changelog

This page contains information about the Crucible 2.10 minor releases. FishEye license holders should also check the [FishEye 2.10 Changelog](#).

See the [Crucible 2.10 release notes](#) for details of what's new in 2.10.



Please read the [Crucible 2.10 Upgrade Guide](#) before upgrading to any of the minor releases below.

3 December 2013 - Crucible 2.10.8 Minor internal fixes

T	Key	Summary	Status
	CRUC-6662	Privilege escalation	CLOSED
	CRUC-6552	Searching over REST for a JIRA Project key doesnt look at Review Linked Issues	CLOSED



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2 issues

17 July 2013 - Crucible 2.10.7

T	Key	Summary	Status
	CRUC-6555	Can't use distinct in queries on tables with CLOB types in Oracle	CLOSED



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1 issue

05 July 2013 - Crucible 2.10.6


T	Key	Summary	Status
	CRUC-6416	Optimize number of database queries for Crucible instances with Many Projects and Permission Schemes	CLOSED



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1 issue

06 Jun 2013 - Crucible 2.10.5







T	Key	Summary	Status
	CRUC-6463	Multiple open transactions in idle instance	CLOSED



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1 issue

02 Apr 2013 - Crucible 2.10.4


T	Key	Summary	Status
	CRUC-6394	Crucible Project Repository Link is Broken if Leading Slash Is Omitted	CLOSED
	CRUC-6412	Stream has already been closed on getting Notifications	CLOSED
	CRUC-6408	URLs in comments with # followed by ! and other characters are not correctly generated.	CLOSED
	CRUC-6395	Inconsistent Repository Links on Project Page	CLOSED
	CRUC-5238	URLs with # in comments do not render properly	CLOSED
	CRUC-2747	Review details says "Reviewer is 100% complete" when she hasn't completed the review	CLOSED



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6 issues

19 Mar 2013 - Crucible 2.10.3

T	Key	Summary	Status
	CRUC-6398	Unable to link to JIRA issues containing a project key longer than 10 characters, containing underscores _	CLOSED




Authenticate to retrieve your issues

1 issue





25 Feb 2013 - Crucible 2.10.2


T	Key	Summary	Status
	CRUC-6385	An SQLException can corrupt a connection in the connection pool and cause Crucible to become unstable	CLOSED
	CRUC-6383	Inline Issue Creation doesn't remember the last issue type selected	CLOSED
	CRUC-6380	Reinstate the Star/Favourite link for comments	CLOSED
	CRUC-6350	JIRA errors being displayed inline on review comments	CLOSED
	CRUC-6345	Can not remove reviewers in IE	CLOSED
	CRUC-6268	When creating issue from comment summary put by the user gets lost on JIRA/project change	CLOSED
	CRUC-6246	User hovers are broken in IE9 (and probably 8 and 10 as well)	CLOSED

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7 issues




















29 Jan 2013 - Crucible 2.10.1


T	Key	Summary	Status
	CRUC-6274	Update Add Comments related Crucible document	CLOSED
	CRUC-6344	Change Inline Issue Creation upgrade task warning	CLOSED
	CRUC-6342	LazyInitializationException during indexing of repositories containing Changeset Comments	CLOSED
	CRUC-6333	IIC Plugin makes unneeded AJAX requests on pages other than the review page	CLOSED

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4 issues

15 Jan 2013 - Crucible 2.10.0

T	Key	Summary	Status
	CRUC-6282	If an Entity Link is present between a JIRA Project and a Crucible Project, then a review created from the JIRA Source Tab should default to the entity linked Crucible Project.	CLOSED
	CRUC-6351	Managing Add-Ons Page Refers to Add-On That Is Not Compatible With Latest Versions	CLOSED
	CRUC-6143	When Creating Jira Issues From a Code Review Provide Capability to Handle REQUIRED Fields	CLOSED
	CRUC-6031	Need keyboard shortcuts for moving to previous, current, and next diff.	CLOSED
	CRUC-5847	The Graph should display % and also value.	CLOSED
	CRUC-5628	Add Ability to Limit Number and/or Size of Crucible Reviews	CLOSED
	CRUC-6267	No success/error notification when creating JIRA issue directly from comment	CLOSED
	CRUC-6266	Smart commit plugin does not handle multi-line commit messages	CLOSED
	CRUC-6259	Share review user suggestion contain deleted user	CLOSED
	CRUC-6249	There is no pre-load handling for next diff?	CLOSED
	CRUC-6248	Double infinite spinner, what does it mean?	CLOSED
	CRUC-6210	Deleted users are appearing in reviewer, moderator dropdown	CLOSED
	CRUC-6142	"Edit Review Details" end sometimes in "The server is not responding" but the server is ok	CLOSED
	CRUC-6072	FeCru REST API docs don't provide description of the XML tags.	CLOSED
	CRUC-6038	Error creating subtask in JIRA: com.atlassian.jira.rpc.exception.RemotePermissionException: This issue does not exist or you don't have permission to view it.	CLOSED
	CRUC-5716	GWT error when navigating away from loading page	CLOSED
	CRUC-5666	Snippet review link is displayed even if user doesn't have permission to create a review in any project	CLOSED
	CRUC-2667	Not able to create the subtask in JIRA if some of the fields are required in the subtask creation screen	CLOSED
	CRUC-2202	NPE thrown when trying to change project key	CLOSED

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[19 issues](#)

Crucible 2.10 upgrade guide

Please refer to the [FishEye 2.10 upgrade guide](#) for important notes on upgrading to Crucible 2.10.

For details of the new features and improvements in this release, please read the [Crucible 2.10 Release Notes](#).

Upgrading to Crucible 2.10

Crucible Subtask Creation has been deprecated

If you are currently using issue subtask creation please read the following section.

~ [Click here to expand...](#)

We have improved JIRA issue creation from Crucible with a feature called Inline Issue Creation. It uses JIRA APIs introduced in JIRA 5.0, so it is not compatible with earlier versions. It also has some changed behaviour from the old "Crucible Subtask Creation".

If you are using JIRA 4.4 or earlier

The new feature will not be compatible with your JIRA version. You can revert back to the old behaviour if you want to continue being able to create Crucible subtasks from review comments.

Disabling of the plugin should be automatic on upgrade. Crucible will poll your linked JIRA servers to check their version. If a version earlier than JIRA 5.0 is detected, the 'Inline Issue Creation' plugin will be disabled.

If the plugin is not disabled you can revert to the old behaviour by clicking **Manage Add-ons**, under 'System Settings' in the Admin area. Click **Show system plugins**, find the 'Inline Issue Creation' plugin, and disable it. When you upgrade your JIRA server, you can come back here to re-enable the plugin.

If you are using JIRA 5.0 or later

Removed functionality:

- The ability to "Resolve" after the issue has been created has been removed. Users will now have to transition issues via the JIRA interface.
- Existing subtasks that have been created will still be visible, however you will not be able to resolve them.

New functionality:

- We now support various required fields, both built-in and custom field types.
- There is no longer any configuration required, except for the Application Link to JIRA.
- We now support 'normal' (non-subtask) issue creation, users can choose what Project and Issue Type to create in, and we support various required fields.
- There is now a report at the top of the review for all issues created.
- There is now a Remote Issue Link from the JIRA issue back to the comment.
 - Note that Issue Linking can be disabled in JIRA.
 - The user creating the issue must have the permission to create Remote Issue Links.
 - The latest version of the JIRA FishEye Plugin will hide these links from users without the View Source permission.

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.
- [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 2.9 Upgrade Guide](#) 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.
- **JIRA 5.0 integration.** The features described below are supported by **JIRA 5.0**, or later, with the latest version of the [JIRA FishEye plugin](#).

Highlights of this release:

- [Simpler JIRA integration](#)
- [Better performance of the Reviews tab in JIRA](#)
- [Faster review creation for large teams](#)
- [Other announcements](#)

 [Download](#)

Providing feedback:

Please log your [votes and issues](#). They help us decide what needs doing, and are much appreciated!

1

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...](#)

Activity

[All](#) [Comments](#) [Work Log](#) [History](#) [Activity](#) [Commits](#) [Source](#) [Reviews](#) [Builds](#)

▼ [CR-FE-6832](#) Closed

[FEGRU-2765](#): re-enable highlights for ie

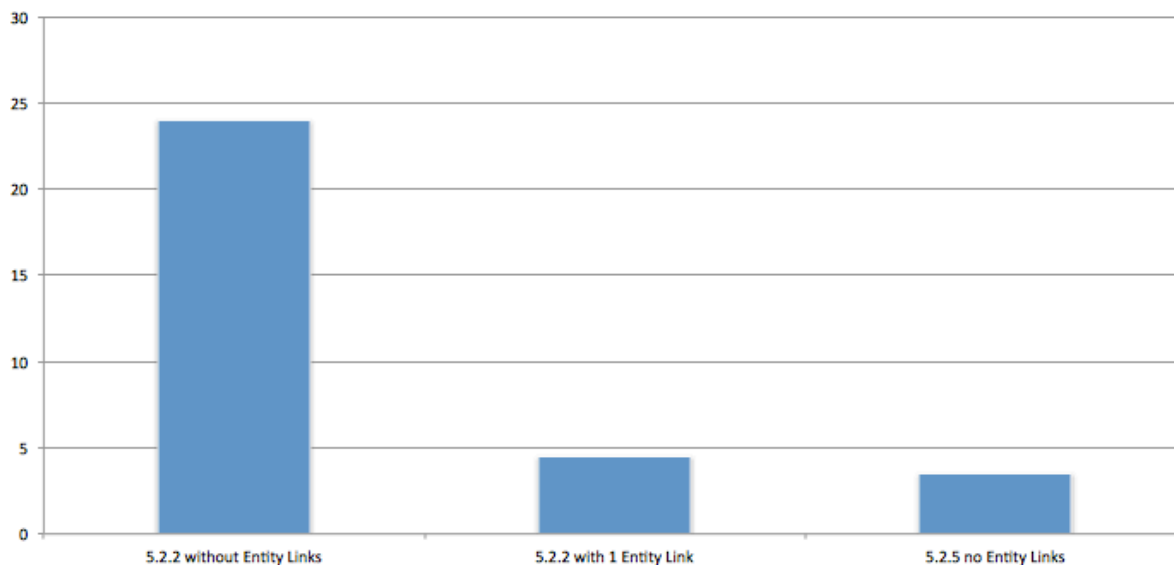
{cs:id=e32efa760e915697497b33e10303821747274139|rep=FE-hg}: [FEGRU-2765](#): re-enable highlights for ie

2

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 less time administering your instance, while your users get all the relevant content in JIRA in a better way than before.

Reviews Tab Performance

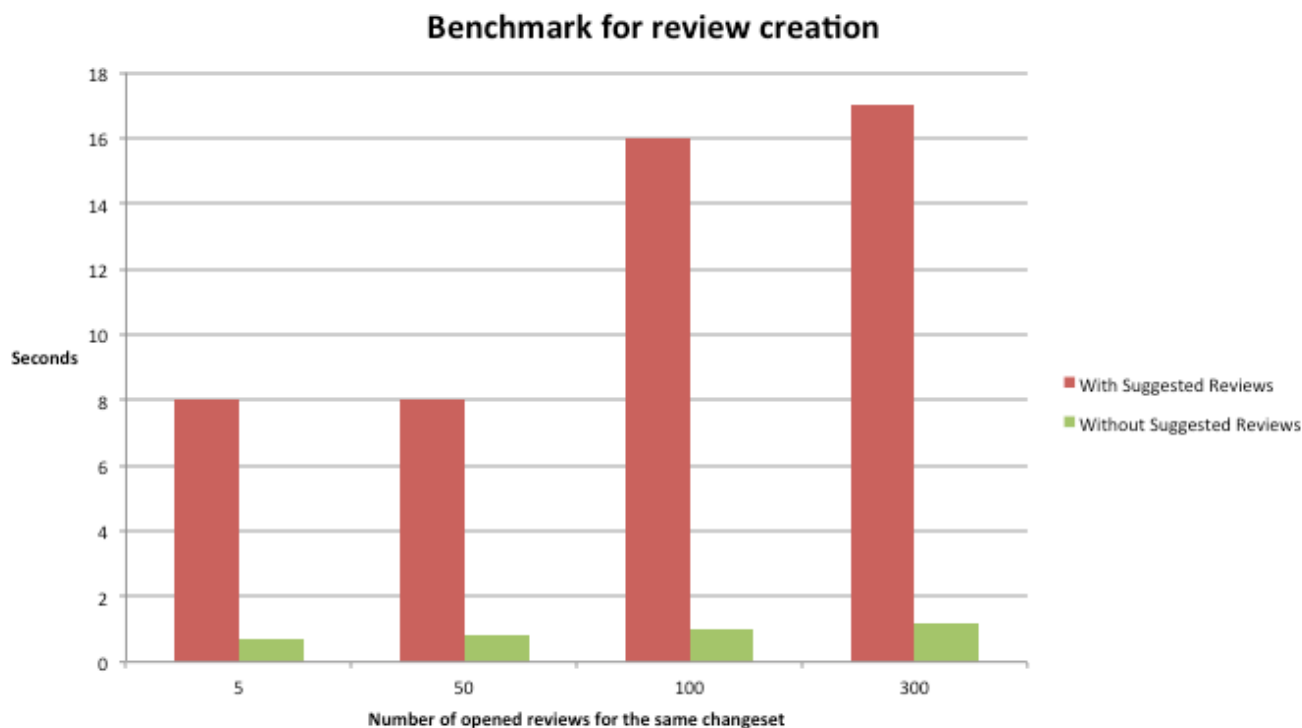


3

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 a single process. The chart below shows the performance improvement we have seen from this modification.



3

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 your 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.

- **Changes to the diff view in reviews**

In order to facilitate the review process and give a clearer interface to see all the modifications and comments on a particular file we are now showing one file at a time in the reviews. You can use the file tree or the keyboard shortcuts to navigate between files.

The Crucible 2.9 team

Development

Core team

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Piotr wity wicki
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Valery Trubnikov

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Nick Pellow

Product management

Sten Pittet

Project manager

Anton Mazkovi

Support

Ajay Sridhar
Daniel Rohan
Douglas Fabretti
Felipe Kraemer
Gurleen Anand
Kah Loun Foong
Leonardo Macedo
Malik Mangier
Patrick Hill
Renan Battaglin
Rene Verschoor
Ricardo Martins

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Product marketing

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Quality assurance

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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.



Please read the [Crucible 2.9 Upgrade Guide](#) before upgrading to any of the minor releases below.

From 2.9.1 to 2.9.2

11 December 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-4392	Svnkit fine logging causes very large debug logs	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Dec 04, 2012	Dec 11, 2012
	FE-4391	Validation of start-rev in admin is incorrect	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Dec 04, 2012	Dec 11, 2012
	FE-4368	Changeset Comment re-indexing incorrectly uses a threadlocal session.	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Nov 20, 2012	Dec 11, 2012
	FE-4357	Improve the way permissions are handled, as a lot of time is spent in user/repo permission checks, which should be cached	Brendan Humphreys [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Nov 07, 2012	Jun 14, 2013



Authenticate to retrieve your issues

4 issues

From 2.9.0 to 2.9.1

19 November 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-6279	Next review comment button does not work	Unassigned	Kah Loun Foong [Atlassian]		CLOSED	Fixed	Nov 21, 2012	Nov 26, 2012
	CRUC-6272	Crucible calls out to JIRA once per Comment	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Nov 13, 2012	Nov 19, 2012



Authenticate to retrieve your issues

























2 issues


Crucible 2.9

14 November 2012

The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resoluti
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	CRUC-6372	Update doco for "Opening the List of People"	Paul Watson [Atlassian]	Malik Mangier [Atlassian]		CLOSED	Fixed
	CRUC-6351	Managing Add-Ons Page Refers to Add-On That Is Not Compatible With Latest Versions	Unassigned	Ricardo Martins [Atlassian]		CLOSED	Fixed
	CRUC-6163	Display month in a literal format for the due date	Val Trubnikov [Atlassian]	Sten Pittet [Atlassian]		CLOSED	Fixed
	CRUC-6129	Odd and Even rows in all tables should have different shading between rows.	Jeroen De Raedt [Atlassian]	Robert Massaioli [Atlassian]		CLOSED	Fixed
	CRUC-2752	if backup cant stop one repository, no caches are included	Conor MacNeill [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed
	CRUC-6238	Perforce patches cannot be anchored	Richard Stephens [Atlassian]	Richard Stephens [Atlassian]		CLOSED	Fixed
	CRUC-6231	Gravatar-s avatars dont show	Brendan Humphreys [Atlassian]	Malik Mangier [Atlassian]		CLOSED	Fixed
	CRUC-6204	Dead link on README.html file	Nick Pellow [Atlassian]	Katie Grigoratou [Atlassian]		CLOSED	Fixed
	CRUC-6138	Deadlocks occur in c3p0 GooGoStatementCache when using MS SQL Server	Val Trubnikov [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed
	CRUC-6105	Chrome crashes if during a code review the user navigate using the shortcuts	Maciej Swinarski [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed
	CRUC-5781	In a Review containing a single Attachment, the 'Go to next element' button causes an infinite Javascript loop	Maciej Swinarski [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed
	CRUC-5731	No entity exists with key \${helper.project.key} of type com.atlassian.applinks.api.application.fecru.FishEyeCrucibleProjectEntityType	Geoff Crain [Atlassian]	Felipe Kraemer [Atlassian]		CLOSED	Fixed


 Authenticate to retrieve your issues

12 issues

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 [important technical advisories](#) 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

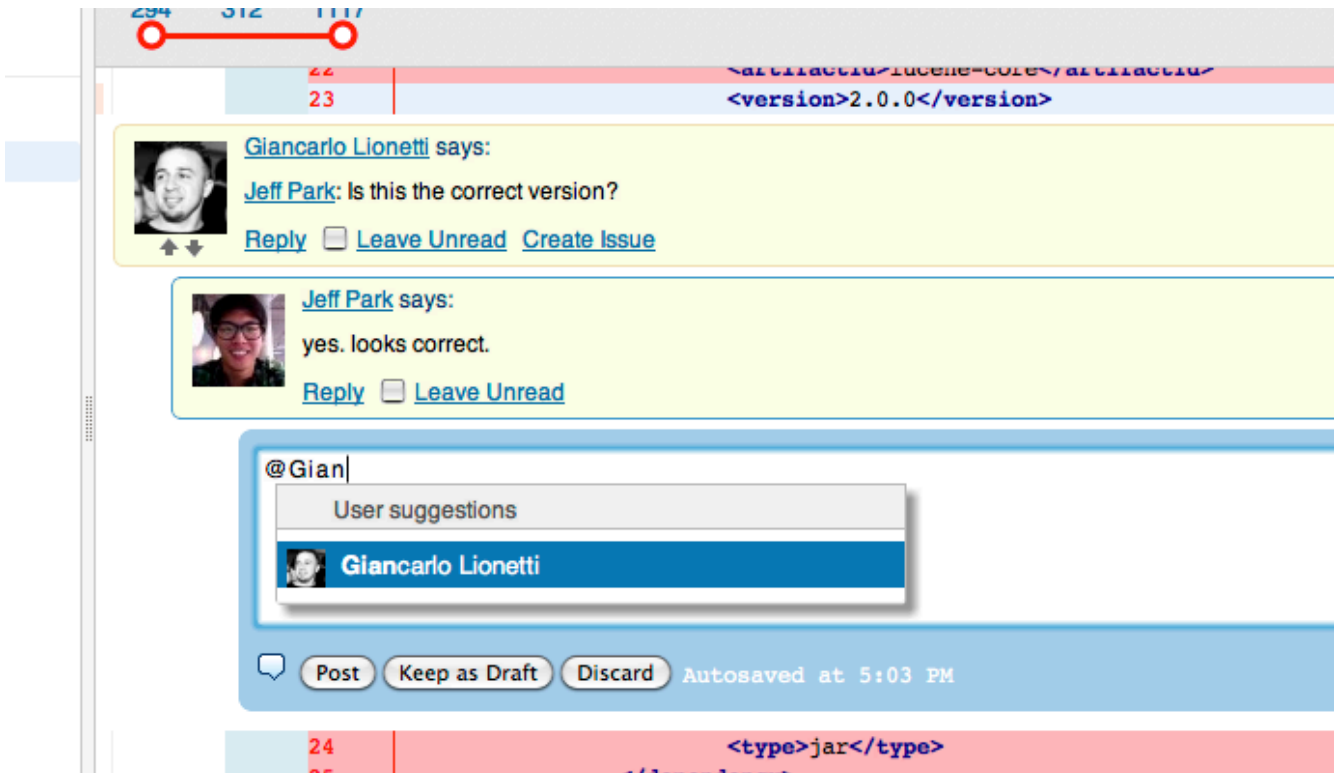
 **Download****Providing feedback:**

Please log your [votes](#) and [issues](#). They help us decide what needs doing, and are much appreciated!

1

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.

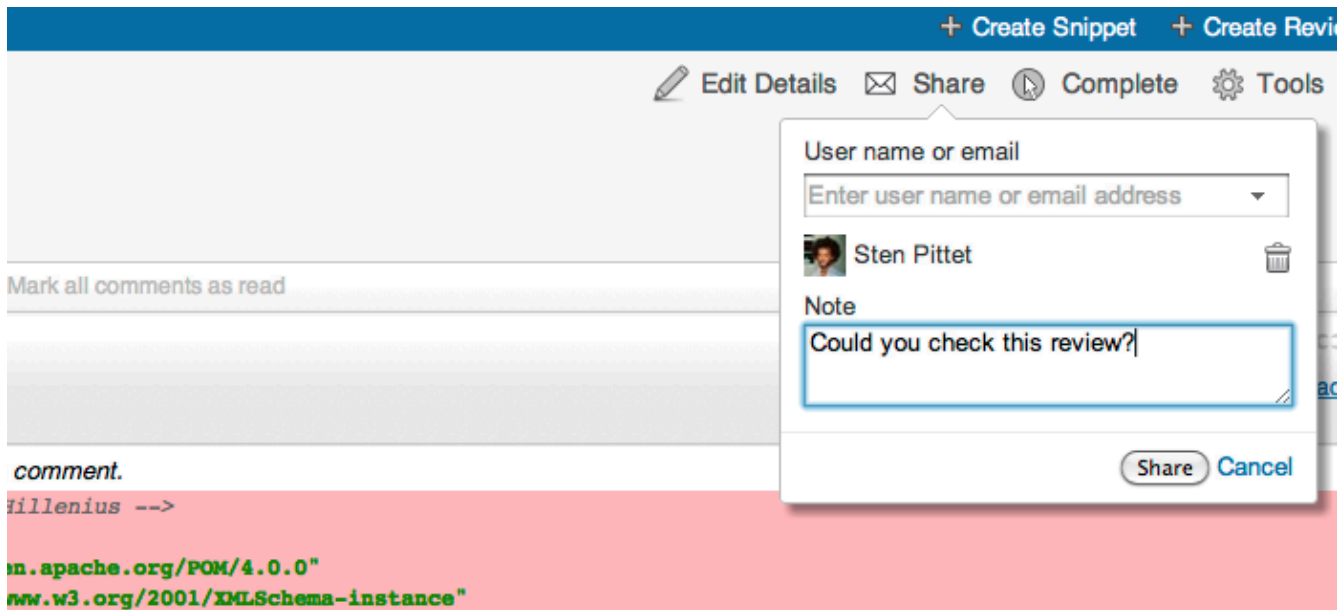


The screenshot displays a code snippet from a version control system, likely Subversion, showing a Maven dependency for `atlassian-lucene-core` with version `2.0.0`. Below the code, a discussion thread is visible. The first message is from Giancarlo Lionetti, asking Jeff Park if the version is correct. Jeff Park replies, confirming it is correct. At the bottom, a mention dropdown is shown, triggered by typing `@Gian`, listing Giancarlo Lionetti as a suggestion. The interface includes buttons for `Post`, `Keep as Draft`, and `Discard`, along with an `Autosaved` status at 5:03 PM.

2

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.



3

Improved performance for the projects listing

We improved the rendering performance of the projects listing in Crucible.

4

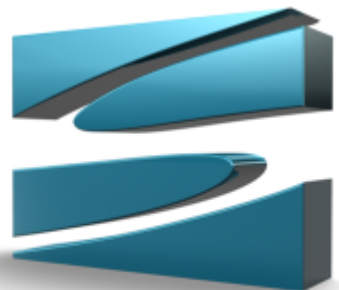
Support for Subversion 1.7

Crucible now supports Subversion 1.7.

5

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 Mazkovoï

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

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 [Crucible 2.8 Release Notes](#) for details of what's new in 2.8.0.

 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.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-6203	Notifications/Shares don't work if Oracle is being used.	Geoff Crain [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Aug 28, 2012	Mar 12, 2013
	CRUC-6200	Missing Attachment Upload Item's cause NullPointerException when viewing a Review which has inline comments on the missing attachment	Geoff Crain [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	Aug 27, 2012	Aug 29, 2012







 Authenticate to retrieve your issues





















2 issues

Crucible 2.8

15 August 2012

The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-6156	Test upgrade from 2.7 to 2.8 on all Supported DBs	Unassigned	Nick Pellow [Atlassian]		CLOSED	Fixed	Jun 21, 2012	Jul 02, 2012
	CRUC-6104	Allow sharing reviews using emails or account	Unassigned	Felipe Kraemer [Atlassian]		CLOSED	Fixed	Apr 04, 2012	Aug 13, 2012
	CRUC-5146	show last indexed time of a repository	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Dec 12, 2010	May 09, 2012
	CRUC-6188	Crucible privilege escalation vulnerability	Vitaly Osipov [Atlassian]	Paul Watson [Atlassian]		CLOSED	Fixed	Aug 10, 2012	Jan 20, 2014
	CRUC-6168	A null review participant causes review indexing to fail midway through the set of reviews	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Jul 10, 2012	Sep 27, 2012
	CRUC-6166	Setup Func Tests are failing under JDK 1.7	Geoff Crain [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	Jul 06, 2012	Jul 09, 2012

	CRUC-6162	Investigate why Crucible seems to auto-save always exactly when you go to post a comment.	Nick Pellow [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	Jul 02, 2012	May 02, 2013
	CRUC-6157	Re-indexing crucible can cause a NullPointerException if LogItem table contains references to non-existent users	Richard Stephens [Atlassian]	Richard Stephens [Atlassian]		CLOSED	Fixed	Jun 22, 2012	Jul 09, 2012
	CRUC-6151	Fix performance issues caused by Lower and Upper DB functions	Geoff Crain [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Jun 18, 2012	Jul 03, 2012
	CRUC-6149	Update supported platforms now that Clearcase is no longer supported	Paul Watson [Atlassian]	Melanie Wright [Atlassian]		CLOSED	Fixed	Jun 14, 2012	Aug 14, 2012
	CRUC-6132	NPE on manual reminder email if due date is null	Roman Tekhov [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	May 23, 2012	Jul 17, 2012
	CRUC-6131	Invalid email notification and inconsistent language	Geoff Crain [Atlassian]	Sean Curtis [Atlassian]		CLOSED	Fixed	May 17, 2012	Jul 30, 2012
	CRUC-6130	Missing parent on one side of a merge fails indexing process	Brendan Humphreys [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	May 09, 2012	Jul 05, 2012
	CRUC-5987	LDAP/Crowd Users auto-synced and added as crucible users, exceeding licence limit	Geoff Crain [Atlassian]	Matthew Watson [Atlassian]		CLOSED	Fixed	Nov 29, 2011	Jun 18, 2012
	CRUC-5845	Whitespace at the end of a pasted patch are stripped off	Tom Davies [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Jul 26, 2011	Sep 17, 2013
	CRUC-3124	Permission scheme page fails when the username is renamed	Conor MacNeill [Atlassian]	Ming Giet Chong [Atlassian]		CLOSED	Fixed	Feb 22, 2010	Jun 19, 2012



Authenticate to retrieve your issues

16 issues

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 [Crucible 2.8 Release Notes](#).

On this page:

- [Upgrade Notes](#)
- [Upgrade Procedure](#)
- [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 [Backing up and restoring Crucible data](#)), 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 refer to the [Crucible upgrade guide](#).

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 there 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 [troubleshooting 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.

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. [Keep logging issues](#) to help us keep improving!
- Read the [release notices](#) 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.

CR-FE-6163 Closed

Linked issue

Issue:  **FECRU-1401** – Add a review action in the UI to send manual reminder...

Status:  To be reviewed

Transition issue:

Log work:

You're done!

You have no outstanding reviews to attend to right now.

[Dashboard](#) [Close](#)

[More...](#)

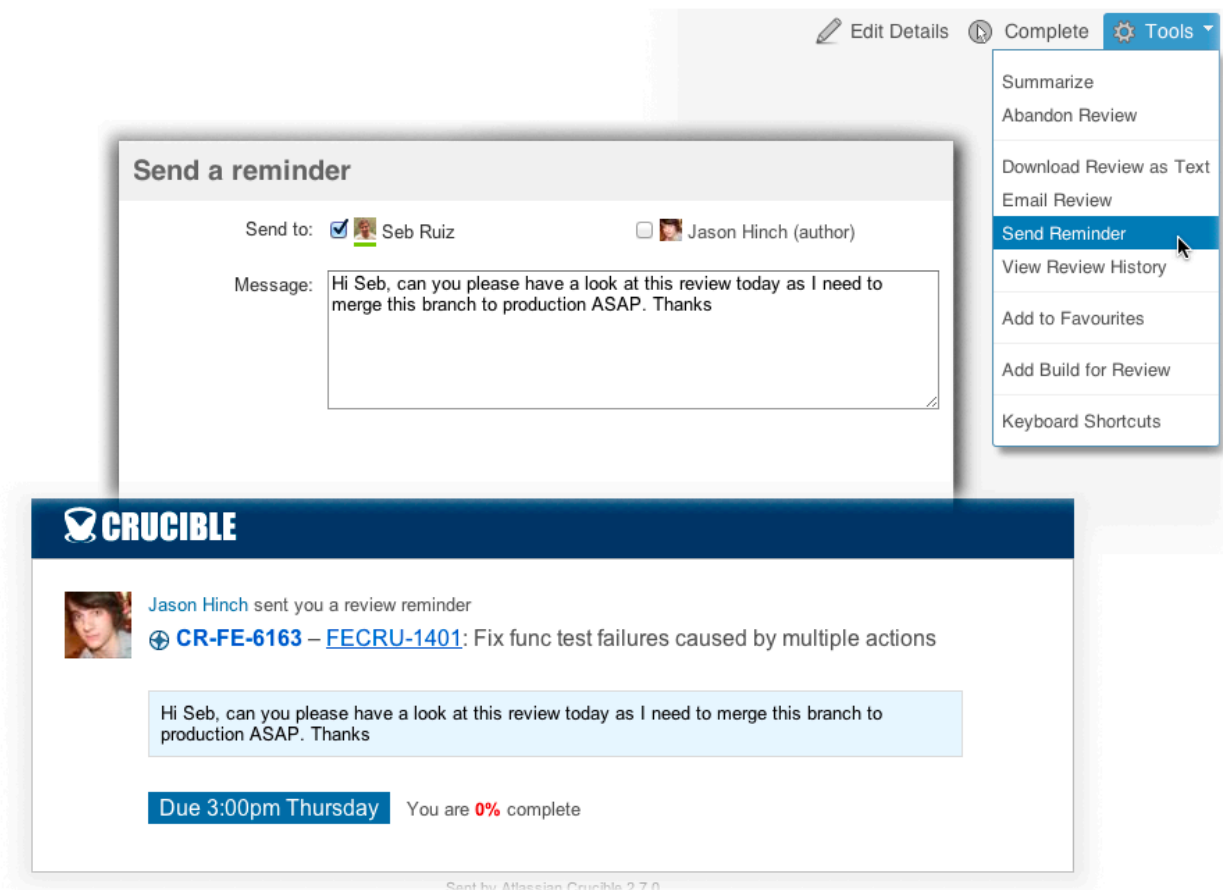
2

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

Visit our [issue tracker](#) 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 Upgrade Guide](#) 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 [FishEye 2.7 Changelog](#).

See the [Crucible 2.7 Release Notes](#) for details of what's new in 2.7.0.



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

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolut
	FE-4087	IllegalArgumentException: No local entity with key 'REPONAME' and type 'class com.atlassian.applinks.application.fecru.FishEyeRepositoryEntityTypeImpl' exists	Geoff Crain [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed
	FE-4222	FishEye privilege escalation vulnerability	Vitaly Osipov [Atlassian]	Paul Watson [Atlassian]		CLOSED	Fixed
	FE-4178	Getting "No entity exists with key <REPONAME> of type com.atlassian.applinks.api.application.fecru.FishEyeRepositoryEntityType" editing clicking applinks for a repository	Unassigned	David Corley		CLOSED	Fixed
	FE-4156	Watch Emails throwing exception in certain circumstances	Unassigned	Nick Pellow [Atlassian]		CLOSED	Fixed
	CRUC-6188	Crucible privilege escalation vulnerability	Vitaly Osipov [Atlassian]	Paul Watson [Atlassian]		CLOSED	Fixed
	CRUC-6157	Re-indexing crucible can cause a NullPointerException if LogItem table contains references to non-existent users	Richard Stephens [Atlassian]	Richard Stephens [Atlassian]		CLOSED	Fixed
	CRUC-6136	java.lang.IllegalArgumentException: No local entity with key 'PROJECTNAME' and type 'class com.atlassian.applinks.application.fecru.FishEyeCrucibleProjectEntityTypeImpl' exists	Unassigned	Rene Verschoor [Atlassian]		CLOSED	Fixed



Authenticate to retrieve your issues

7 issues

From 2.7.13 to 2.7.14

12 June 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-4119	Missing changesets cause Hg indexing to fail	Unassigned	Tom Davies [Atlassian]		CLOSED	Fixed	May 30, 2012	May 31, 2012
	FE-4111	If Anon Access is OFF, smart commits that interact with JIRA will not work	Nick Pellow [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	May 25, 2012	Aug 01, 2012
	FE-4106	Fisheye 2.7.13 startup error when FISHEYE_INST have spaces	Nick Pellow [Atlassian]	Leo Leung		CLOSED	Fixed	May 24, 2012	Jun 08, 2012
	FE-4105	100+ requests of type "updateJiraTimeAjax!default" timing out when modifying Time Spent	Geoff Crain [Atlassian]	Daniel Rohan [Atlassian]		CLOSED	Fixed	May 24, 2012	Jun 08, 2012
	FE-4103	NPE when indexing git repo with missing ancestor	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	May 22, 2012	Feb 14, 2014
	CRUC-6107	Error synchronizing users: null	Tom Davies [Atlassian]	Sheppe Pharis		CLOSED	Fixed	Apr 05, 2012	Jun 13, 2012



Authenticate to retrieve your issues

















6 issues

From 2.7.12 to 2.7.13

21 May 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created
	FE-3961	Emulate pre-2.7 behaviour: when an user is created by the user synchronisation, restore any deleted user with the same username	Brendan Humphreys [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Feb 16, 2012
	CRUC-6092	Email generated via "Tools -> Email Review" has incorrect comment URLs	Brendan Humphreys [Atlassian]	Sylvia Yee		RESOLVED	Fixed	Mar 16, 2012
	FE-4019	web-server/max-threads increases from 20 to 150	Nick Pellow [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	Mar 14, 2012
	FE-4018	EyeQL Search Results not displaying author fields	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Mar 27, 2012
	FE-4017	Add authenticated user in http response headers for logging ability in reverse proxy	Brendan Humphreys [Atlassian]	Issa		CLOSED	Fixed	Mar 26, 2012
	FE-3989	Allow disabling of precise contentHash to csid mapping	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Mar 09, 2012
	FE-3922	Add custom syntax highlighting for shell scripts	Brendan Humphreys [Atlassian]	Eddie Webb		CLOSED	Fixed	Jan 27, 2012
	FE-3495	com.atlassian.crowd.exception.OperationFailedException if SSO is enabled with JIRA user management	Brendan Humphreys [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Jun 14, 2011
	CRUC-6075	Link to comments from dashboard	Richard Stephens [Atlassian]	Frederik Dinkelaker		CLOSED	Fixed	Feb 26, 2012
	CRUC-6017	Allow plugins to detect when a draft comment is published	Richard Stephens [Atlassian]	Olli Nevalainen [Atlassian]		CLOSED	Fixed	Jan 05, 2012
	CRUC-6009	Allow plugins to detect changes to reviewers or moderator	Brendan Humphreys [Atlassian]	Olli Nevalainen [Atlassian]		CLOSED	Fixed	Dec 22, 2011
	FE-4084	hidden text behind the left navigation panel when using Firefox 12	Unassigned	Leonardo De Macedo [Atlassian]		CLOSED	Fixed	May 01, 2012

	FE-4070	Fisheye does not allow username returned by AuthToken to be different from username entered by user	Richard Stephens [Atlassian]	Richard Stephens [Atlassian]		CLOSED	Fixed	Apr 19, 2012
	FE-4060	CC Indexing can fetch version 0 and index it even if before the start date.	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Apr 17, 2012
	FE-4044	Lack of usernames element in security config can stop AJPAAuth working	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Apr 11, 2012
	FE-4043	Handle NPE caused by changeset without a position value in Commit Graph	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Apr 11, 2012
	FE-4036	P4 GetLatestRevision will fail for paths with no revisions - leads to excessive logging.	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Apr 05, 2012
	FE-4034	Copy from a file which existed before the start-revision is ignored.	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Apr 04, 2012
	FE-4029	Store Performer Branch Details	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Apr 03, 2012
	FE-4025	Modified port not reflected in startup message of uninitialized FishEye	Brendan Humphreys [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Mar 31, 2012

















Authenticate to retrieve your issues

Showing 20 out of 39 issues

From 2.7.11 to 2.7.12

16 April 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-4016	FishEye XML Vulnerability	Vitaly Osipov [Atlassian]	Paul Watson [Atlassian]		CLOSED	Fixed	Mar 26, 2012	Jan 20, 2014
	FE-4001	Perforce branches are unnecessarily, repeatedly, scanned	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Mar 15, 2012	Apr 03, 2012
	FE-4000	Corruption of CrossRepository Index Properties	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Mar 14, 2012	Mar 22, 2012
	FE-3996	Cleartool since date format need to be English	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Mar 12, 2012	Mar 22, 2012
	FE-3976	ClassCastException on startup on windows	Richard Stephens [Atlassian]	Wannes Geysen		CLOSED	Fixed	Feb 27, 2012	Apr 11, 2012
	FE-3970	Commit Calendar incorrect for projects including several paths in the same repository	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Feb 23, 2012	Feb 29, 2012
	FE-3969	The 'Parameters' on the 'Database Configuration' page are ignored.	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Feb 22, 2012	Oct 03, 2012



Authenticate to retrieve your issues

7 issues

From 2.7.10 to 2.7.11

27 February 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status
	FE-3941	Add a limit for the number of paths to index to a changeset	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3937	Add properties to stop branch and tag point ancestry detection for SVN	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3931	Null Pointer Exception com.cenqua.fisheye.rep.impl.CommonFileRevision.setAuthor(CommonFileRevision.java:149)	Brendan Humphreys [Atlassian]	Cardinal Armand du Piessis de Richelieu First Minister of Louis XIII		CLOSED
	FE-3958	Content Indexing: Filter the paths to index before processing the list twice.	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3957	Lucene re-index is only triggered for cross-repo until after first commit	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3956	Content Indexing: Add an option to only index trunk, not root and trunk	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3955	ReIndex: Only delete all the content docs if there are >0 docs in the index	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	CRUC-6051	Improve performance of the Review Blockers Report plugin	Nick Pellow [Atlassian]	Nick Pellow [Atlassian]		CLOSED
	FE-3953	Per user LoC figures are meaningless when the 'All' button is selected	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED
	FE-3952	Breadcrumb links on the Users tab are incorrect when a branch is selected	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED
	FE-3939	PHP syntax highlighting incorrectly matches keywords at the end of function names	Brendan Humphreys [Atlassian]	Chris Butler		CLOSED
	FE-3934	Changesets with large number of revisions can exhaust heap	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED
	FE-3932	FishEye appears hung on upgrade, till upgrade finishes.	Conor MacNeill [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	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 Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED
	FE-3908	Investigate lib dir containing random JS files and directories. and scmutils.jar is missing.	Unassigned	Nick Pellow [Atlassian]		CLOSED
	FE-3905	Upgrade from 2.5->2.7 fires events for all commits and replays all smart commits	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED
	FE-3885	Smart Commits: Using the #time command with a complex time format (i.e. 2d 4h) only saves the 2d part	Nick Pellow [Atlassian]	Felipe Cuozzo [Atlassian]		CLOSED
	FE-3859	Unable to add users when using IE8	Seb Ruiz [Atlassian]	Felipe Kraemer [Atlassian]		CLOSED
	FE-3851	Old broken Support Zip link still present	Brendan Humphreys [Atlassian]	Rene Verschoor [Atlassian]		CLOSED
	FE-3608	Issue keys, wrapped in square brackets [JRA-9] are not linked correctly in quick search	Brendan	Nick		CLOSED

results

Humphreys
[Atlassian] Pellow
[Atlassian]

Authenticate to retrieve your issues

Showing 20 out of 25 issues

From 2.7.9 to 2.7.10

20 January 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3903	Unable to see FishEye activity stream in JIRA Activity Stream gadget on dashboard when have Repository with no description	Unassigned	Matthew Watson [Atlassian]		CLOSED	Fixed	Jan 19, 2012	Jan 19, 2012
	FE-3902	Issue Transition controls don't appear when closing a review	Unassigned	None		CLOSED	Fixed	Jan 19, 2012	Jan 19, 2012
	FE-3900	fecru-review-issue-transition-plugin fails under fisheye 2.7.9 due to incompatible class change error	Unassigned	Nick Pellow [Atlassian]		CLOSED	Fixed	Jan 19, 2012	Jan 19, 2012



Authenticate to retrieve your issues

3 issues

From 2.7.8 to 2.7.9

19 January 2012

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-6027	New parameter to GET /rest-service/projects-v1 to optionally load all user data. If false, ProjectData.getAllowedReviewers will return an empty list	Nick Pellow [Atlassian]	Nick Pellow [Atlassian]		CLOSED	Fixed	Jan 15, 2012	Jan 18, 2012
	CRUC-5999	Add REST end point for getting the list of groups	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Dec 07, 2011	Dec 12, 2011
	FE-3896	FishEye wrongly removes admin privileges for a Crowd group when Crowd is not up when FishEye is starting up	Nick Pellow [Atlassian]	Alex Wei [Atlassian]		CLOSED	Fixed	Jan 05, 2012	Jan 18, 2012
	FE-3891	Webwork 2 vulnerability	Vitaly Osipov [Atlassian]	Paul Watson [Atlassian]		CLOSED	Fixed	Jan 17, 2012	Dec 23, 2013
	FE-3888	FishEye does not correctly handle moved tags	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Jan 16, 2012	Jan 18, 2012
	FE-3884	DefaultUserManager.getUsersInGroup incorrectly acquires a write lock instead of a read lock	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Jan 13, 2012	Jan 13, 2012
	FE-3880	P4 client doesn't handle job names with a leading -	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Jan 09, 2012	Jan 10, 2012
	FE-3878	When processing perforce file revisions, only branch specs that have been added or modified since the last restart are considered	Anna Buttfield [Atlassian]	Anna Buttfield [Atlassian]		CLOSED	Fixed	Jan 08, 2012	Jan 09, 2012
	FE-3875	SVN property changes with content lines containing certain strings break diff parsing	Anna Buttfield [Atlassian]	Anna Buttfield [Atlassian]		CLOSED	Fixed	Jan 04, 2012	Jan 18, 2012
	FE-3862	JS errors in ie8	Anna Buttfield	Anna Buttfield			Fixed	Dec 14,	Jan 18,

			[Atlassian]	[Atlassian]		CLOSED		2011	2012
	FE-3861	lock mismanagement in LuceneConnection	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Dec 13, 2011	Dec 13, 2011
	FE-3817	Clicking on repository in Fisheye Administration generates error dialog in IE8	Anna Buttfield [Atlassian]	Felipe Kraemer [Atlassian]		CLOSED	Fixed	Nov 04, 2011	Jan 17, 2012
	FE-3790	Trying to look at the source of an empty file results in java.lang.ArrayIndexOutOfBoundsException -1	Brendan Humphreys [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Oct 20, 2011	Dec 23, 2011
	CRUC-6028	Internal avatar on changeset comment is broken	Anna Buttfield [Atlassian]	Brian McKenna [Atlassian]		CLOSED	Fixed	Jan 05, 2012	Jan 18, 2012
	CRUC-6022	getReviewsByIds performs N queries	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Jan 10, 2012	Jan 12, 2012
	CRUC-6013	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 [Atlassian]	Anna Buttfield [Atlassian]		CLOSED	Fixed	Dec 28, 2011	Aug 28, 2012
	CRUC-6010	Crucible search doesn't deal properly with author user names containing punctuation	Anna Buttfield [Atlassian]	Anna Buttfield [Atlassian]		CLOSED	Fixed	Dec 22, 2011	Jan 09, 2012
	CRUC-6008	Stopped repositories cause NPEs in crucible reviews	Unassigned	Anna Buttfield [Atlassian]		CLOSED	Fixed	Dec 22, 2011	Feb 09, 2012
	CRUC-6003	Timelines only work with a small set of timezones	Anna Buttfield [Atlassian]	Eric Dalgliesh [Atlassian]		CLOSED	Fixed	Dec 15, 2011	Jan 09, 2012
	CRUC-5996	Review creator is unavailable from within ReviewCreatedEvent handler	Nick Pellow [Atlassian]	Adrian Hempel [Atlassian]		CLOSED	Fixed	Dec 06, 2011	Dec 14, 2011



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Showing 20 out of 23 issues

From 2.7.7 to 2.7.8

30 November 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-5984	UI improvements to the Edit classification admin screen	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Nov 25, 2011	Nov 29, 2011
	CRUC-5968	Allow files with no extension to be treated as text rather than binary	Pierre-Etienne Poirot [Atlassian]	Melanie Wright [Atlassian]		CLOSED	Fixed	Nov 09, 2011	Nov 29, 2011
	CRUC-5925	In Git, our separation of files by branch can be confusing	Pierre-Etienne Poirot [Atlassian]	Wesley Walser [Atlassian]		CLOSED	Fixed	Sep 28, 2011	Nov 24, 2011
	FE-3846	crowd admin groups get removed on startup	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Nov 28, 2011	Nov 29, 2011
	FE-3842	"Internal Server Error" on jira issue hover	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Nov 24, 2011	Nov 24, 2011
	FE-3839	autocomplete dropdowns give inconsistent and sometimes wrong results (results missing)	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Nov 21, 2011	Nov 22, 2011
	FE-3775	Allowed Review Participants field doesn't work when some users are present	Pierre-Etienne Poirot [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Oct 11, 2011	Nov 29, 2011
	FE-3745	Changing Block Size triggers a reindex + restart, while only a restart is needed	Pierre-Etienne Poirot [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Sep 26, 2011	Nov 25, 2011
	FE-3040	FishEye Access Logging is not writing the username	Pierre-Etienne Poirot [Atlassian]	Felipe Kraemer [Atlassian]		CLOSED	Fixed	Apr 27, 2011	Nov 29, 2011

	FE-2473	Cannot find link for downloading latest and greatest RAW revision of a file	Pierre-Etienne Poirot [Atlassian]	David Hergert		CLOSED	Fixed	Feb 19, 2010	Nov 30, 2011
	CRUC-5951	admin.js fails in IE8	Pierre-Etienne Poirot [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Oct 26, 2011	Nov 08, 2012
	CRUC-5927	Improve behaviour when licence limits are exceeded	Pierre-Etienne Poirot [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Sep 29, 2011	Nov 30, 2011

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12 issues

From 2.7.6 to 2.7.7

21 November 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	CRUC-5962	Internal avatars URL are always generated with HTTP urls, even over SSL	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Nov 07, 2011	Nov 10, 2011
	CRUC-1853	Display preferences menu doesn't disappear when filter menu clicked or menu item is selected	Jonathan Poh [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Jul 23, 2009	Nov 17, 2011
	FE-3836	In SVN, if a tag is created and the identified parent changeset id is not indexed by FishEye the tag won't show up in the branches and tags dropdown or on the commit graph	Anna Buttfield [Atlassian]	Anna Buttfield [Atlassian]		CLOSED	Fixed	Nov 17, 2011	Nov 18, 2011
	FE-3833	Perforce jobids are not indexed	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Nov 15, 2011	Nov 17, 2011
	FE-3832	Links in RSS feed do not use absolute URLs	Seb Ruiz [Atlassian]	Oleg Semyonov		CLOSED	Fixed	Nov 15, 2011	Nov 17, 2011
	FE-3826	Jetty log messages are not reported anywhere	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Nov 11, 2011	Nov 17, 2011
	FE-3822	mime type mapping for file names rather than suffixes removes first character of candidate file name before matching with key filename	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Nov 09, 2011	Nov 17, 2011
	FE-3174	When navigating forward in time in activity stream, items are shown earliest to latest down the page	Michael Studman [Atlassian]	None		CLOSED	Fixed	Sep 22, 2010	Feb 01, 2012
	FE-3155	Browse/diff menu inactives look active and vice-versa	Jonathan Poh [Atlassian]	None		CLOSED	Fixed	Dec 13, 2010	Nov 17, 2011
	CRUC-5977	Crucible 'active users' list loaded unnecessarily, making review creation and editing slow	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Nov 15, 2011	Nov 17, 2011
	CRUC-5972	Side-by-Side Diffs in Crucible are misaligned. Line number columns are very long	Adam Ahmed [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Nov 10, 2011	Nov 16, 2011
	CRUC-5957	Code review reply comments saved as draft, are deleted when any reviewer completes review	Michael Studman [Atlassian]	Maggie Reside		CLOSED	Fixed	Nov 03, 2011	Nov 11, 2011
	CRUC-5932	The side by side diffs displaying display 3 colums instead of 2	Adam Ahmed [Atlassian]	Zed Yap [Atlassian]		CLOSED	Fixed	Oct 06, 2011	Nov 17, 2011
	CRUC-5828	Crucible links to review comments cut off for mail notifications in Microsoft Outlook	Jonathan Poh [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Jul 15, 2011	Nov 17, 2011
	CRUC-5784	Selecting a folder in File browser in FE on IE8 causes content-view tabs to disappear	Jonathan Poh [Atlassian]	Jaie Wilson [Atlassian]		CLOSED	Fixed	Jun 01, 2011	Nov 14, 2011
	CRUC-5751	Double spinners in Branch selector	Jonathan Poh [Atlassian]	Tim Pettersen [Atlassian]		CLOSED	Fixed	May 02, 2011	Nov 15, 2011





































	CRUC-5326	Add revision popup in review vanishes when not hovered over	Jonathan Poh [Atlassian]	Chris Lam [Atlassian]		CLOSED	Fixed	Jan 06, 2011	Nov 17, 2011
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17 issues

From 2.7.5 to 2.7.6

8 November 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3816	Shutdown the thread pool once the background upgrade tasks have been completed	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Nov 04, 2011	Nov 04, 2011
	FE-3791	Change authentication providers to return CommunicationException when appropriate	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Oct 21, 2011	Nov 02, 2011
	FE-3772	Add option to enable client authentication SSL	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Oct 09, 2011	Oct 18, 2012
	FE-3611	Improve the way avatars are loaded to avoid unnecessary calls	Anna Butfield [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Jul 29, 2011	Jan 23, 2013
	CRUC-5952	Syntax highlighting for Scala doesn't recognize symbol literals.	Seb Ruiz [Atlassian]	Leif Wickland		CLOSED	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 disappears	Unassigned	Tom Davies [Atlassian]		CLOSED	Fixed	Nov 09, 2011	Nov 10, 2011
	FE-3812	When synchronizing users with LDAP, do not deactivate users if the error is a communication problem	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Nov 02, 2011	Nov 02, 2011
	FE-3809	Upgrade of instances using Oracle fail when upgrade_75.sql is run	Anna Butfield [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Oct 31, 2011	Nov 02, 2011
	FE-3794	Sourcing a Tag from a Tag Can cause FishEye not to display tag contents	Conor MacNeill [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Oct 24, 2011	Nov 03, 2011
	FE-3787	When synchronizing users with Crowd, do not deactivate users if the error is a communication problem	Pierre-Etienne Poirot [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Oct 20, 2011	Aug 20, 2012
	FE-3784	Modified tags fail in the branch selector	Adam Ahmed [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Oct 19, 2011	Nov 03, 2011
	FE-3783	Activity Stream UI sometimes slow in git - it makes calls to git remote show.	Adam Ahmed [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Oct 17, 2011	Nov 04, 2011
	FE-3767	WARN messages 'Repository index does not match the repository configuration' incorrectly logged after upgrading to 2.7	Conor MacNeill [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Oct 06, 2011	Nov 02, 2011
	FE-3645	Old non-http/s SimpleLinker configuration passes upgrade but results in error when trying to open repo	Pierre-Etienne Poirot [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Aug 15, 2011	Nov 04, 2011
	FE-3620	Displayname not being picked up correctly in some cases with JIRA user management	Pierre-Etienne Poirot [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Aug 04, 2011	Jan 17, 2012
	CRUC-5953	Scala syntax highlighter highlights substrings of identifiers as keywords	Seb Ruiz [Atlassian]	Leif Wickland		CLOSED	Fixed	Nov 01, 2011	Nov 02, 2011
	CRUC-5947	Some browsers drop params to server and Migration to Postgres fails	Seb Ruiz [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Oct 20, 2011	Oct 26, 2011
	CRUC-5923	Unable to add files to review using	Geoff Crain	Piotr Stefan		CLOSED	Fixed	Sep 26, 2011	Feb 02, 2012

































"Explore Repositories" option			[Atlassian]	Stefaniak [Atlassian]			2011	2012	
	CRUC-4888	quotation marks being double escaped in latest comment text	Pierre-Etienne Poirot [Atlassian]	Tim Pettersen [Atlassian]		<div>CLOSED</div>	Fixed	Nov 11, 2010	Nov 09, 2011
<div> Authenticate to retrieve your issues</div>									

19 issues

From 2.7.4 to 2.7.5

21 October 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3799	p4 support: Cleanup and Merge the p4 ancestry suppression flag to 2.6/7/default	Conor MacNeill [Atlassian]	Matthew Watson [Atlassian]		CLOSED	Fixed	Sep 27, 2011	Jan 23, 2013
	FE-3768	FishEye logs lots of ApplicationPermissionException when synchronising Crowd users that have no permission on FishEye / Crucible	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Oct 06, 2011	Oct 12, 2011
	FE-3788	Git does not report an error when creating a managed repository over an existing one	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Oct 19, 2011	Oct 20, 2011
	FE-3777	Fix documentation of the managed repositories' REST API	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Oct 12, 2011	Oct 12, 2011
	FE-3774	Search results page fails to render for EyeQL queries > 4000 characters on Oracle.	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Oct 11, 2011	Oct 12, 2011
	FE-3755	SVN: Paths under tag directories are displayed as deleted / empty directories (greyed out)	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Sep 30, 2011	Oct 12, 2011
	FE-3752	Repository path, includes, excludes and hidden directories should be copied to newly created forks	Tom Davies [Atlassian]	Tim Pettersen [Atlassian]		CLOSED	Fixed	Sep 29, 2011	Oct 05, 2011
	FE-3751	'Store diffs' setting is not respected for initial imports of SVN repositories	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Sep 29, 2011	Oct 09, 2011
	FE-3737	Cannot customize front page with global anonymous access turned off	Tom Davies [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Sep 22, 2011	Oct 07, 2011
	FE-3727	Review coverage report screen messed up when using Firefox 6.0.2 and Chrome 12.0.7	Michael Studman [Atlassian]	Camila Ayres [Atlassian]		CLOSED	Fixed	Sep 16, 2011	Oct 26, 2011
	FE-3721	Error when changing content of a review	Tom Davies [Atlassian]	Federico Silva Armas [Atlassian]		CLOSED	Fixed	Sep 15, 2011	Jan 23, 2013
	FE-3698	Web Hooks payload received with "application/xml" as the content type	Anna Buttfeld [Atlassian]	Sten Pittet [Atlassian]		CLOSED	Fixed	Sep 07, 2011	Oct 24, 2011
	FE-3692	When pushing to a Git managed repo while another client is cloning, the client which is cloned freezes	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Oct 09, 2011
	FE-3678	Provide a more friendly message to the users	Anna Buttfeld [Atlassian]	Zed Yap [Atlassian]		CLOSED	Fixed	Sep 05, 2011	Oct 13, 2011
	FE-2625	code metrics error for branches directories	Pierre-Etienne Poirot [Atlassian]	Tracey Lum [Atlassian]		CLOSED	Fixed	Jun 03, 2010	Oct 11, 2011
	CRUC-5914	'Allow anon users' permission is broken for all but 'view review' and should be removed.	Tom Davies [Atlassian]	Michael Studman		CLOSED	Fixed	Sep 22, 2011	Oct 12, 2011

[Atlassian]

	CRUC-5913	Comment permissions don't work for 'all logged in users'	Tom Davies [Atlassian]	Michael Studman [Atlassian]		CLOSED	Fixed	Sep 22, 2011	Oct 07, 2011
	CRUC-5606	Very large text files produce OOME when diffing	Anna Buttfield [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Feb 08, 2011	May 25, 2012
	CRUC-4435	Same file shows up twice in a review	Michael Heemskerk [Atlassian]	Andrew Myers [Atlassian]		CLOSED	Fixed	Oct 01, 2010	Oct 11, 2011

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19 issues

From 2.7.3 to 2.7.4

28 September 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3748	NullPointerException while loading user preferences from database, causing login failures	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Sep 27, 2011	Sep 28, 2011
	FE-3747	If you edit and then save a managed repository in Internet Explorer, the text "fork of null" will appear and the forks view will no longer be available.	Tim Pettersen [Atlassian]	Tim Pettersen [Atlassian]		CLOSED	Fixed	Sep 27, 2011	Sep 27, 2011
	FE-3742	After a user has been deleted and then added again, subsequent deletions fail	Tom Davies [Atlassian]	Tom Davies [Atlassian]		CLOSED	Fixed	Sep 26, 2011	Sep 27, 2011
	FE-3741	Manual Auth Re-Sync button doesn't do anything	Tom Davies [Atlassian]	Phil Davies		CLOSED	Fixed	Sep 23, 2011	Sep 27, 2011
	FE-3738	Log files not included in support zip	Matthew Watson [Atlassian]	Matthew Watson [Atlassian]		CLOSED	Fixed	Sep 23, 2011	Jan 17, 2012
	FE-3735	Commit events fired on Git repos when branches are added/removed	Seb Ruiz [Atlassian]	Matt Ryall [Atlassian]		CLOSED	Fixed	Sep 22, 2011	Sep 28, 2011
	FE-3734	Error upon exceeding license limit with Crowd user management	Tom Davies [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Sep 22, 2011	Sep 27, 2011
	FE-3716	Hg authentication fails with special character in password	Michael Studman [Atlassian]	Gurleen Anand [Atlassian]		CLOSED	Fixed	Sep 14, 2011	Jan 17, 2012
	FE-3168	Restricting Fisheye content in Projects Has No Effect	Michael Studman [Atlassian]	None		CLOSED	Fixed	Dec 06, 2010	Feb 01, 2013
	CRUC-5920	ConstraintViolationException: Duplicate entry 'xyz' for key 'cru_user_name' after upgrading to 2.7	Michael Heemskerk [Atlassian]	Michael Heemskerk [Atlassian]		CLOSED	Fixed	Sep 26, 2011	Sep 28, 2011
	CRUC-5900	Showing only time for each changeset (not from today) on Add Content to Review screen does not make sense	Seb Ruiz [Atlassian]	Wojciech Seliga		CLOSED	Fixed	Sep 11, 2011	Oct 05, 2011
	CRUC-5891	the crucible changeset activity was never updated to the new layout, which means some css is broken	Geoff Crain [Atlassian]	Geoff Crain [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Sep 21, 2011
	CRUC-5866	Unable to link issue due to no OAuth prompt	Michael Studman [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Aug 16, 2011	Sep 22, 2011

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13 issues

From 2.7.2 to 2.7.3

20 September 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3717	Augment the git-http-backend from 1min to 1hour	Pierre-Etienne Poirot [Atlassian]	Pierre-Etienne Poirot [Atlassian]		CLOSED	Fixed	Sep 15, 2011	Sep 19, 2011
	FE-3635	Backup fails if write.lock file still exists in lucene	Michael Studman [Atlassian]	Renan Battaglin [Atlassian]		CLOSED	Fixed	Aug 09, 2011	Jan 17, 2012

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2 issues

From 2.7.1 to 2.7.2

19 September 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Update
	FE-3616	Change com.cenqua.fisheye.logging.DailyRollingFileAppender to keep the extension .log	Conor MacNeill [Atlassian]	Felipe Cuozzo [Atlassian]		CLOSED	Fixed	Aug 02, 2011	Jan 17, 2012
	CRUC-5896	JIRA title is often too long and wraps	Seb Ruiz [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Sep 08, 2011	Sep 14, 2011
	FE-3718	Eclipse Git integration (egit) fails to clone from managed Git repository	Unassigned	Tim Pettersen [Atlassian]		CLOSED	Fixed	Sep 15, 2011	Sep 19, 2011
	FE-3711	Some Directory links in Quick Search have double encoded URLs	Jason Hinch [Atlassian]	Jason Hinch [Atlassian]		CLOSED	Fixed	Sep 12, 2011	Jan 17, 2012
	FE-3696	Web Hooks should be deleted when deleting a repository	Tom Davies [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Sep 07, 2011	Sep 14, 2011
	FE-3693	Pagination numbers at bottom of Repositories screen overlap with system info footer	Jonathan Poh [Atlassian]	Rene Verschoor [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Sep 15, 2011
	FE-3647	Google collections and Guava both bundled, package exported without version	Conor MacNeill [Atlassian]	Richard Wallace [Atlassian]		CLOSED	Fixed	Aug 15, 2011	Sep 14, 2011
	CRUC-5902	changeset discussion autosave fails with error dialog when no comment is entered	Tom Davies [Atlassian]	Joe Xie [atlassian]		CLOSED	Fixed	Sep 13, 2011	Sep 14, 2011
	CRUC-5888	Closing the Send Reminder dialog via Esc doesn't reset it.	Adam Ahmed [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Sep 13, 2011
	CRUC-5886	If the current user is a review's author, then switches to a reviewer, they show up in the manual Send Reminder dialog.	Adam Ahmed [Atlassian]	Adam Ahmed [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Sep 13, 2011
	CRUC-5885	Review reminder notes do not render new lines in email	Michael Studman [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Sep 06, 2011	Sep 13, 2011
	CRUC-3298	Should be able to mark files as text when the scm reports binary	Unassigned	Eduardo M		CLOSED	Fixed	Apr 09, 2010	Oct 11, 2011

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12 issues

From 2.7.0 to 2.7.1

9 September 2011

This is a bug fix release. The complete list of issues is below.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	FE-3701	CommitHookModuleDescriptor#enable can fail if ActiveObjectsConfiguration for Commit Hooks Plugin is not available yet	Jason Hinch [Atlassian]	Jason Hinch [Atlassian]		CLOSED	Fixed	Sep 08, 2011	Sep 12, 2011
	FE-3700	Can't reset user password	Pierre-Etienne Poirot [Atlassian]	Conor MacNeill [Atlassian]		CLOSED	Fixed	Sep 07, 2011	Sep 09, 2011
	FE-3695	Deleting a web hook dialog has a broken layout	Jason Hinch [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Sep 07, 2011	Sep 09, 2011
	FE-3694	Testing a Web Hook doesn't send mock changeset displayId	Seb Ruiz [Atlassian]	Seb Ruiz [Atlassian]		CLOSED	Fixed	Sep 07, 2011	Sep 07, 2011
	FE-3018	Unnecessary implicit antglobbing in Query3	Brendan Humphreys [Atlassian]	Brendan Humphreys [Atlassian]		CLOSED	Fixed	Apr 11, 2011	Oct 05, 2012
	CRUC-3298	Should be able to mark files as text when the scm reports binary	Unassigned	Eduardo M		CLOSED	Fixed	Apr 09, 2010	Oct 11, 2011

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6 issues

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 [Crucible 2.7 Release Notes](#).

On this page:

- [Upgrade Notes](#)
 - [Crucible 2.7](#)
- [Upgrade Procedure](#)
- [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 [Backing up and restoring Crucible data](#)), 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 refer to the [Crucible upgrade guide](#).

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 [Crucible 2.7 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 [troubleshooting 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 2.7 Release Notes](#)

Security advisories

Finding and reporting a security vulnerability

The channel for reporting a security issue is detailed in [How to Report a Security Issue](#).

Publication of 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 2013-07-16](#)
- [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 2014-02-26](#)

FishEye and Crucible Security Advisory 2013-07-16

This advisory discloses security vulnerabilities that we have found in FishEye/Crucible and fixed in a recent version of FishEye/Crucible.

- **Customers who have downloaded and installed FishEye/Crucible** should upgrade their existing FishEye/Crucible installations to fix this vulnerability.
- **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 is a **vulnerability in a third-party framework - Struts 2 / WebWork 2** that is used by FishEye/Crucible. The vulnerability has been independently discovered by Atlassian and reported to the Struts maintainers.

More details about the underlying Struts vulnerability CVE-2013-2251 are available at the [CVE database](#) and in the [Struts advisory](#).

If you have questions or concerns regarding this advisory, please raise a support request at <http://support.atlassian.com/>.

OGNL injection in WebWork 2



Severity

Atlassian rates the severity level of this vulnerability as **critical**, 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.

This is an independent assessment and you should evaluate its applicability to your own IT environment.

Description

We have fixed a vulnerability in WebWork 2, which is a part of the Struts web framework. In specific circumstances, attackers can use this vulnerability to execute Java code of their choice on systems that use these frameworks. In the case of FishEye/Crucible, the attacker needs to be able to access the FishEye/Crucible web interface. A valid user account is not required to exploit this vulnerability.

Customers should be advised that this affects all versions of FishEye/Crucible, except FishEye/Crucible OnDemand, FishEye/Crucible 2.10.6 and FishEye/Crucible 3.0.2 or later. The issue can be tracked here:  **FE-4729** - Webwork 2 code injection vulnerability 

Risk Mitigation

If you are unable to upgrade or patch your FishEye or Crucible server: as a **temporary workaround**, you can do the following:

- Block access to all URLs on a Web Application Firewall or a reverse proxy that contain any of the following strings: "redirect:", "action:" or "redirect-action:" strings. A partial example for an nginx server is below. Note that the example only covers the "redirect:" prefix and does not account for any URL encoding that may be present.

```
location ~* ^/<path to your FishEye>/ {
    if ($args ~* "redirect:") {
        return 403;
    }
    proxy_pass http://$host.internal$request_uri;
}
```

or

- Block access to your FishEye or Crucible server from untrusted networks, such as the Internet.

Fix

This vulnerability can be fixed by upgrading FishEye/Crucible. There are no patches available for this vulnerability — for any questions, please raise a support request at <http://support.atlassian.com/>.

The [Security Patch Policy](#) describes when and how we release security patches and security upgrades for our products.

Upgrading FishEye/Crucible

The fix versions for this vulnerability are described in the 'Description' section above.

We recommend that you upgrade to the latest version of FishEye/Crucible, if possible. For a full description of the latest version of FishEye/Crucible, see the release notes: [FishEye releases](#) / [Crucible release notes](#). You can download the latest version of FishEye/Crucible from the download centre: [FishEye only](#) / [FishEye and Crucible](#). Additionally, if you have large repositories you may want to take a look at the our guide to [Avoiding Long Reindex Times When Upgrading](#).

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 <http://support.atlassian.com/>.

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 [Severity Levels for Security Issues](#). 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** - FishEye privilege escalation vulnerability  and

 **CRUC-6188** - Crucible privilege escalation vulnerability .

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
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Elevation of privileges	2.5.x or earlier	2.5.9	<div>  FE-4222 - FishEye privilege escalation vulnerability CLOSED </div> <div>  CRUC-6188 - Crucible privilege escalation vulnerability CLOSED </div>
	2.6.x	2.6.9	
	2.7.x	2.7.15, 2.8.0	

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 [FishEye release notes](#) and [Crucible release notes](#). You can download the latest version of FishEye and Crucible from the [FishEye download centre](#) and [Crucible download centre](#).

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 <http://support.atlassian.com> 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 <http://support.atlassian.com/>.

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 [Severity Levels for Security Issues](#). 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 - FishEye XML Vulnerability](#) CLOSED

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 [enabling plugins](#) for instructions.
- Disable public access (such as [anonymous access](#) and [public signup](#)) 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 [best practices for configuring FishEye security](#).

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 [FishEye](#) and [Crucible](#) 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 [FishEye](#) and [Crucible](#) 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 <http://support.atlassian.com> 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 <http://support.atlassian.com/>.

In this advisory:

- [Code Injection Vulnerability](#)
 - [Severity](#)
 - [Description](#)
 - [Vulnerability](#)
 - [Risk Mitigation](#)
 - [Fix](#)

Code Injection Vulnerability

Severity

Atlassian rates the severity level of this vulnerability as **CRITICAL**, according to the scale published in [Severity Levels for Security Issues](#). 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 [Struts2 vulnerability](#). 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 <http://struts.apache.org/>

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 2.7.9	FE-3891

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 [FishEye](#) and [Crucible](#) release notes. You can download the latest versions from the [FishEye](#) and [Crucible](#) 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 <http://support.atlassian.com> 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 <http://support.atlassian.com/>.

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 [Severity Levels for Security Issues](#). 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 [public signup](#) to your instance as a temporary mitigation until you have applied the upgrade. For tighter access control, you can restrict access to trusted [groups](#).

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 ([FishEye download centre](#), [Crucible download centre](#)).

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 [Severity Levels for Security Issues](#). 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 [disable anonymous access](#) 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 [FishEye 2.5 changelog](#) and [Crucible 2.5 Changelog](#). You can download the latest version of FishEye and Crucible from the download centres ([FishEye download centre](#), [Crucible download centre](#)).

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 <http://support.atlassian.com>. 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 <http://support.atlassian.com/>.

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 [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 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 cgisecurity.com, [The Web Application Security Consortium](http://www.wisecoders.com) 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	CRUC-5736
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 [public signup](#) to your instance until you have applied the upgrade. For even tighter control, you could restrict access to trusted [groups](#).

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 [FishEye 2.5 changelog](#) and [Crucible 2.5 Changelog](#). You can download the latest version of FishEye/Crucible from the download centre ([FishEye download centre](#), [Crucible download centre](#)).

There are no patches available to fix these vulnerabilities. You must upgrade your FishEye/Crucible installation.

Our thanks to **Marian Ventuneac** of <http://www.ventuneac.net>, who reported [FE-3031](#) and [FE-3032](#). We [fully support the reporting of vulnerabilities](#) 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 <http://support.atlassian.com>. 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 <http://support.atlassian.com/>.

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
 - Fix
- 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 [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 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 cgisecurity.com, The Web Application Security Consortium 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	CRUC-5313

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 [public signup](#) to your instance until you have applied the upgrade. For even tighter control, you could restrict access to trusted [groups](#).

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 [FishEye 2.4 changelog](#) and [Crucible 2.4 Changelog](#). You can download the latest version of FishEye/Crucible from the download centre ([FishEye download centre](#), [Crucible download centre](#)).

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 [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 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 [Enabling Access Logging in FishEye](#) and [Enabling Access Logging in Crucible](#). 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 [FishEye 2.4 changelog](#) and [Crucible 2.4 Changelog](#). You can download the latest version of FishEye/Crucible from 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.

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 [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 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 [FishEye 2.4 changelog](#) and [Crucible 2.4 Changelog](#). 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 ([FishEye 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](#)
- [Download Patches for Earlier FishEye / Crucible Versions](#)
 - [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 [Severity Levels for Security Issues](#). 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 [OpenSymphony XWork page](#) 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 [changelog](#)), which you can download from the [download centre](#).

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 [links on this page](#). 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-patch1.zip	2.3.2	16th June, 2010	6fe98db821a6d26f26907688af2ccd84

Patch for FishEye / Crucible 2.2.3

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.2.3-patch1.zip	2.2.3	16th June, 2010	6fe98db821a6d26f26907688af2ccd84

Our thanks to **Meder Kydraliev** 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
 - Fix
- Prevention of Brute Force Attacks
 - Severity
 - Risk Assessment
 - Vulnerability
 - Risk Mitigation
 - Fix
- Changed Behaviour in FishEye
- Download Patches for Earlier FishEye / Crucible Versions
 - Patch for FishEye / 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 Issues](#). 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 [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 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 [Severity Levels for Security Issues](#). 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 [Severity Levels for Security 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 [CAPTCHA](#) 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 [changelog](#)). Later versions will include protection from this vulnerability. You can download FishEye 2.2.3 from the [download centre](#).

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 [CAPTCHA](#) 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 [CAPTCHA](#) testing is configurable. For more information, see the documentation for [Brute force login protection](#).



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 [CAPTCHA](#) 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-patch1.zip	2.1.4	4th May, 2010	6062fa2e1ad93729527357fb97b0d2ea

Patch for FishEye / Crucible 2.0.6

File	FishEye / Crucible Version	Release Date	MD5 Checksum
fisheye-crucible-2.0.6-patch1.zip	2.0.6	4th May, 2010	6aae75e2a5308121887bf9532473cf75

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	210ef3358aff83861733f8f22d331d7e

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	48e8e8ada0ddb3fc8671459051df1120



To acquire all of the fixes on this page, upgrade to [FishEye 2.2.3](#), which you can download from the [download centre](#).

d centre.

Fisheye and Crucible Security Advisory 2014-02-26

This advisory details a critical security vulnerability that we have found in Crucible and fixed in recent versions of Crucible.

- **Customers who have downloaded and installed Crucible** should upgrade their existing Crucible installations to fix this vulnerability.
- **Atlassian OnDemand customers** are not affected because OnDemand does not include Crucible.

The vulnerability affects all versions of Crucible up to and including 3.1.5 and 2.10.7.

Atlassian is committed to improving product security. We [fully support the reporting of vulnerabilities](#) and we appreciate it when people work with us to identify and solve the problem.

If you have questions or concerns regarding this advisory, please raise a support request at <http://support.atlassian.com>.

User privilege escalation

Severity

Atlassian rates the severity level of this vulnerability as **critical**, according to the scale published in [Severity Levels of Security Issues](#). 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 Crucible which allowed unauthenticated users to commit actions on behalf of any other authorised user. In order to exploit this vulnerability, an attacker requires access to your Crucible web interface.

A Crucible server is only vulnerable if it has been configured to be a part of an Application link with [Trusted Applications authentication](#). Unless you chose OAuth authentication when configuring previously created links, Trusted Applications was used by default.

The vulnerability affects all supported versions of Crucible up to and including 3.1.5 and 2.10.7. It has been fixed in 3.2.0, 3.1.6 and 2.10.8. The issue is tracked in [CRUC-6662 - Privilege escalation](#) **CLOSED**.

Risk Mitigation

If you are unable to upgrade your Crucible server you can do the following as a **temporary workaround**:

- Block access to your Crucible server web interface from untrusted networks, such as the Internet.
- Remove any Application links that use Trusted Applications authentication and re-create them using OAuth.

Fix

This vulnerability can be fixed by upgrading Crucible. If you have any questions, please raise a support request at <http://support.atlassian.com>. We recommend upgrading.

The [Security Patch Policy](#) describes when and how we release security patches and security upgrades for our products. Only security upgrades are released for Crucible. Patches are not released for Crucible.

Upgrading Crucible

Upgrade to Crucible 3.2.0, 3.1.6, 2.10.8 or a later version, which fixes this vulnerability. For a full description of these releases, see the [Crucible Release Notes](#).

Patches

Binary patches are not available for this advisory. You need to either install one of the patch releases or apply recommended temporary workarounds.

Crucible FAQ

Crucible FAQ

Answers to frequently asked questions about configuring and using Crucible.

- [Crucible Resources](#)
- [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 FishEye licence to run Crucible?](#)
 - [Advantages of Native Repository Access over lightSCM plugins](#)
 - [Updating your Crucible license](#)
- [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](#)
 - [JIRA Integration Issues](#)
 - [Problems with very long comments and MySQL migration](#)
- [Contributing to the Crucible Documentation](#)
 - [Crucible Documentation in Other Languages](#)

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](#).

Crucible Resources

Resources for Evaluators

- [Free Trial](#)
- [Feature Tour](#)

Resources for Administrators

- [Crucible Knowledge Base](#)
- [Crucible FAQ](#)
- [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](#)
- [Add-ons for Crucible](#)

Support

- [Atlassian Support](#)
- [Support Policies](#)

Forums

- [Crucible Forum](#)
- [Crucible Developers Forum](#)

Mailing Lists

- Visit <http://my.atlassian.com> 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](#)

General FAQs

Crucible General FAQs
<ul style="list-style-type: none">• Can I deploy Crucible or FishEye as a WAR? — 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 [Integrating with Other Web Servers](#).

How do I force reviews to include SVN property changes?

Subversion (SVN) allows you to store arbitrary name/value pairs, called 'SVN properties', in association with files and directories. You can use these properties to store metadata, and Subversion also uses them, for example to store where code is branched from.

These name/value pairs can only be changed as part of a changeset or 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 [review creation without metadata](#) to prevent SVN properties from being included in reviews. This functionality was on by default.

For Crucible 3.0 and later, this functionality is disabled by default, and affects the following actions:

- 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 that you can explicitly add a particular file revision to a review, regardless of whether it is a textual change or metadata-only change.

The prime motivation behind metadata checking is to prevent the creation of reviews with a large number of files which have no effective content changes. Sometimes this sort of problem is seen when there is some wholesale SVN property change, for example setting the line endings on all files (`svn:eol-style`). In that respect, this is a performance setting as it avoids the creation of large reviews. The properties themselves are still stored and managed in FishEye. There is no major performance impact on including properties in reviews.

Enabling this functionality can be done by starting up Crucible with the following system property:

```
-Dcrucible.detect.metadata.revision.changes=true
```

Crucible 3.0+ Changes

In Crucible 3.0 and later the default value of this setting was changed from true to false. Due to the phased nature of FishEye indexing, changesets are available for review much earlier in their overall processing. In particular changesets are available for review prior to having their line count and diff information processed. In this state all changes look somewhat like metadata only changes. Reviews created in this state with metadata detection enabled will cause the changes to be excluded from the review.

How to Automate Daily Crucible Backups

Configuring Crucible backups is easy. To set daily Crucible backups, open the administration page, click the '**Backup**' link under '**System**' on the left navigation bar, and simply follow the instructions set out on the [Backing up and restoring Crucible data](#) page.

Troubleshooting

Crucible Troubleshooting

- [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 [symbolic setup](#) (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 [command line options](#) `--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 [support request](#).

JIRA Integration Issues

Users are mapped to their own accounts when using [Trusted Applications](#).

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-deb`

ug.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 [CRUC-2471](#)).

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
```

 You may not see the message if you are running MySQL with default settings.

For more information, see the [JIRA issue](#).

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.

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:

- [Contributing Documentation in Other Languages](#)
- [Updating the Documentation Itself](#)
 - [Getting Permission to Update the Documentation](#)
 - [Our Style Guide](#)
 - [How we Manage Community Updates](#)

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

[Author Guidelines](#)

[Atlassian Contributor License Agreement](#)

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
<p><i>No guides yet</i></p> <p>We do not yet have any guides to link here. Be the first to suggest one!</p>

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](#)

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):

[approve](#)

[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

Issuing a [review to the reviewers](#) 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 [Changing your User Profile](#).

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 [creates the review](#). In most cases this person will also act as [moderator](#).

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 [creating](#) the review, [approving](#) the review, determining when reviewing is finished, [summarising](#) the outcomes and [closing](#) the review. By default, the moderator is the [creator](#). See also [author](#), 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 [permissions](#) to any or all of the following:

- Particular [Users](#).
- Particular [Groups](#).
- 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 [project\(s\)](#) 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 [review roles](#) by means of [permission schemes](#).

The following permissions are available:

Permission	Description	Default Assignees
Abandon	Ability to abandon (i.e. cancel) a review.	Creator Author Moderator
Approve	Ability to approve a review (i.e. issue it to the reviewers).	Creator Author Moderator

Close	Ability to close a review once it has been summarised.	Creator Author Reviewer Moderator
Comment	Ability to add or remove a comment to or from a review.	Creator Author Reviewer Moderator
Complete	Ability of a reviewer to change their individual review status to Complete.	Reviewer
Create	Ability to create a review.	All logged-in users
Delete	Ability to delete a review.	Creator Author Moderator
Edit Review Details	Ability to edit a review's details and change the set of revisions being reviewed.	Creator Author Reviewer Moderator
Re-Open	Ability to re-open a closed or abandoned review.	Creator Author Reviewer Moderator
Recover	Ability to resurrect an abandoned (i.e. cancelled) review.	Creator Author Reviewer Moderator
Reject	Ability to reject a review submitted for approval (i.e. prevent it from being issued to reviewers).	Creator Author Moderator
Submit	Ability to submit a review for approval (i.e. request that the review be issued to the reviewers).	Creator Author Moderator
Summarise	Ability to summarise a review. (Normally this would be done after all reviewers have completed their review.)	
Uncomplete	Ability of a reviewer to change their individual review status from Complete to Uncomplete.	Reviewer
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

projects in Crucible

A Crucible *project* provides a way to group and manage related [reviews](#) – typically reviews that are all involved with the same software project. A Crucible project allows you to

- define default [moderators](#), [authors](#) and [reviewers](#) for the reviews in that project.
- define which people are eligible to be [reviewers](#) for the reviews in that project.
- use [permission schemes](#) 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 [Editing 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.

role

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 moderator is not the creator . See Issuing a Review .
Under Review	See Issuing a Review and Reviewing the Code .
Summarize	See Summarising and Closing the Review .
Closed	See Summarising and Closing the Review .

 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.
Needs Fixing	This means that the review state is not understood by Crucible, and indicates a programming or data issue. The review moderator can move the review into a known state if this happens.

statement of objective

A *statement of objective* is an optional text description of the review and any specific areas the [reviewers](#) should focus on.

users in Crucible

A *user* is a person using Crucible.