

Calcutta 4.5 EAP (build 8909) Release Notes

This release contains a several new features as well as many enhancements and fixes.

Build Tests Grouping

The Build Tests tab now provides advanced controls for tests grouping and filtering.

The screenshot shows the 'Build Tests' tab interface. At the top, there are navigation tabs: Overview, Changes (2), Tests, Build Log, Build Parameters, and Dependencies. Below the tabs, it displays 'Total test count: 3869 (24 failed, 275 ignored); total duration: 19m:03s'. There are input fields for 'Test name contains:' with a 'Filter' button and a '[reset]' link. The 'Test status:' is set to 'Failed' with a dropdown arrow, and there is a checkbox for 'Only new failed tests'. The 'What to show:' dropdown is set to 'Classes', and it says 'Found 2 cla'. The 'Current scope:' is '[All : Slow tests : jetbrains.buildServer.agent.impl.messages]'. Below this is a table with a header 'Name' and two entries: 'InspectionReporterFunctionalTest (Slow tests:jetbrains.buildServer.agent.impl.messages)' and 'DataImportServiceMessageTest (Slow tests:jetbrains.buildServer.agent.impl.messages)'. The table has a light gray background and horizontal lines separating the rows.

Improved External Change Browser Integration

Now in addition to add a link to an external tool for a changelist, you can configure a link for an individual file in the changelist.

The screenshot shows a changelist entry for 'TW-7902: Fixed logic for specifying username and password'. Below the title are links for 'Run build with this change...' and 'Open in external change viewer'. The entry shows 'Changed: 1 file (1 modified)'. A callout box points to the 'Open in external change viewer' link with the text 'Click to open the change in external viewer'. Below the entry, there is a file path 'git-server/src/jetbrains/buildServer/buildTriggers/vcs/git/Settings.java' with a '198' icon and a green bug icon. A callout box points to the bug icon with the text 'Click to open the file in external viewer'.

The configuration is done via `.BuildServer\config\change-viewers.properties` file. Here is a sample:

```

# General format is: rootId.type=<external tool link>

# Provided '1' is the VCS root id of 'Apache Ant' project
# the following properties configure three types of links:
# change set link, file diff link and new file link.
1.changeSetUrl=http://fisheye6.atlassian.com/changelog/ant/?cs=${changeSetId}
1.fileDiffUrl=http://fisheye6.atlassian.com/browse/ant/core/trunk/${relativePath}?r1=${revisionBefore}&r2=${revisionAfter}
1.newFileUrl=http://fisheye6.atlassian.com/browse/ant/core/trunk/${relativePath}?r=${revisionAfter}

# The list of supported meta-variables:
# ${changeSetId} - change set revision id
# ${user} - the name of user who did the commit
# For each changed file (for fileDiffUrl, newFileUrl, and removedFileUrl types):
# ${relativePath} - the relative path
# ${absolutePath} - the absolute path (includes the VCS root URL)
# ${revisionBefore} - file revision before the change
# ${revisionAfter} - file revision after the change

# Other available formats:
# The url for all VCS roots.
*.changeSetUrl=http://external-tool-url/?cs=${changeSetId}
# The url for all roots of type 'svn'.
svn.changeSetUrl=http://external-tool-url/?cs=${changeSetId}

```

More Improvements in LDAP Integration

Now you have an option to control mapping between the user-entered login name and the username saved in the TeamCity. This allows to eliminate user duplication in certain cases. Also, an option is added to automatically convert users using alternative usernames when logging in. Also, debug logging is greatly improved to let easy configuration process.

Please note that you may need adjusting your `ldap-config.properties` files if you used previous EAP release. There are the following changes made comparing to the previous EAP release:

```

teamcity.users.attribute.username is renamed to teamcity.users.username
teamcity.users.attribute.displayName is renamed to teamcity.users.property.displayName
teamcity.users.attribute.email is renamed to teamcity.users.property.email

```

```

teamcity.groups.attribute.name is renamed to teamcity.groups.property.name
teamcity.groups.attribute.member is renamed to teamcity.groups.property.member

```

New properties are introduced (to be described in the [documentation](#)):

```

teamcity.auth.captureLogin
teamcity.users.loginName
teamcity.users.loginFilter
teamcity.users.formatOldUsername

```

Other Improvements

- Reworked "Configure visible projects" dialog on Overview page
- Server settings now are divided in tabs
- Eclipse plugin: support for Subversion 1.6 working copies
- Build that is stopped on execution timeout will now try to dump thread dump into the build log before stopping
- Custom run build dialog got a new option that allows to put the build to the top of the queue.
- Filter by VCS root fields/properties added on the Administration > Configure VCS roots page
- Performance improvements in server-side TFS integration