

# Release Notes for Agra, build 3776



Some features in this build may require manual reconfiguration of your builds. Please read carefully.

## Incompatible changes

### Database configuration

If your database configuration differs from default HSQLDB settings, you'll have to configure database in a separate database.properties file. This file should be located in the TeamCity data config directory (defaults \$HOME\BuildServer\config). After the first run of TeamCity template files database.mysql.properties and database.hsqldb.properties are placed to this directory for reference. Copy one of them to database.properties and edit settings according to your database configuration.

#### Mysql configuration example

```
driverName=com.mysql.jdbc.Driver
connectionUrl=jdbc:mysql://localhost/buildserver
connectionProperties.user=username
connectionProperties.password=pass

maxConnections=50
poolPreparedStatements=true
shutdownStatement=
shutdownCompactStatement=

connectionProperties.useLocalSessionState=true
connectionProperties.elideSetAutoCommits=true
connectionProperties.alwaysSendSetIsolation=false
```

## Ipr, Inspections, Duplicates runners

The screenshot shows the configuration dialog for the 'Inspections' build runner. At the top, a yellow banner reads 'Build runner settings updated.' Below this, the 'Build runner' is set to 'Inspections'. The 'Path to .ipr file' is set to 'ipr\_sastreams.ipr'. There are sections for 'Unresolved Project Modules and Path Variables' and 'Project JDKs'. The 'Project JDKs' section shows 'Java5' with 'JDK Home' set to '%SystemJDK\_HOME%'. There is also a section for 'JVM Settings' with a field for 'JVM command line parameters'.

TeamCity provides enhanced dialog to setup builds which depend on IntelliJ IDEA's IPR project file. Unfortunately, it was impossible to convert old configuration to the new one, so after upgrade to this version of TeamCity you'll have to tweak your

configuration manually.

To do it, visit build configuration page/build runner section. The first visit to this page may be slow, because TeamCity will download and analyze all project module (\*.iml) files to detect used global libraries, path variables, jdk and so on. Subsequent visits will be much faster.

This page will provide options to configure project JDK, path variables, global libraries. If some module files could not be obtained from VCS, this will be shown as well.

## Java Service Wrapper is used to run build agents as Windows service

There is no more agentd.exe in the new agent installation.

To run service user can use <agent>/bin/service.start.bat  
To stop service user can use <agent>/bin/service.stop.bat  
To install service <agent>/bin/service.install.bat  
To uninstall service <agent>/bin/service.uninstall.bat

Installed agent will still use agentd.exe. Auto updates should work correctly as well. But, to migrate to the new service wrapper user should reinstall agent explicitly.

Using new service wrapper allows user to change any agent JVM parameters.

To upgrade agent from agentd service to java service wrapper:

- Uninstall agent
  - use uninstaller/add remove programs
  - ensure agent service is stopped
- Install new agent using any distribution you like (zip, java web start, windows installer)

Windows Only:

- Make sure agent service is working under right user account. Using SYSTEM tend may affect MSBuild/Sln2005 configurations to fail.

Agent process will have a name TeamCityAgentService-windows-x86-32.exe

To work with net.exe utility please use the name TCBuildAgent. For example:  
net start TCBuildAgent - start agent

## Links to build artifacts has changed

Now we use new format for links to build artifacts. The change was done to support [Ivy](#) and dependent builds (see below). The documentation for the new format is available [here](#).

## IDE plugins changes

### Eclipse plugin with remote run (Subversion) and changes view

[link here](#)

TeamCity plugin works with Eclipse 3.2+ and requires plugin Subclipse 1.2.0.

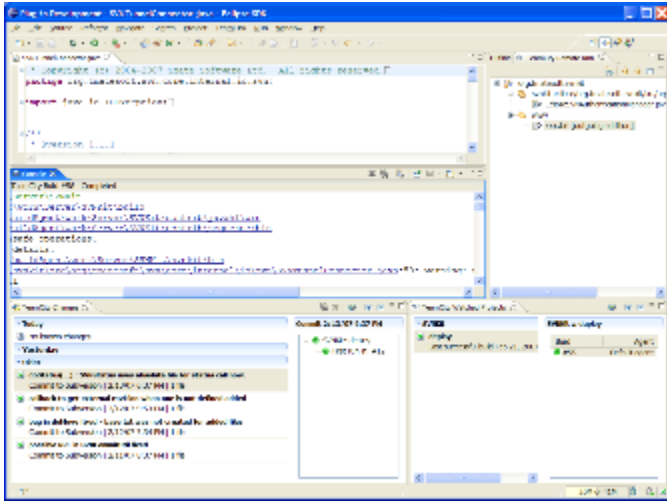
Eclipse plugin for TeamCity features:

- Watched Projects View
  - Displays TeamCity projects user is watching for and their properties.
- Changes View
  - Displays builds triggered by user VCS changes, remote run builds and their properties.

Both watched projects and changes views display TeamCity builds and build configuration statuses, allow to open build log of selected build in Eclipse. Cumulative watched projects and remote run builds statuses are displayed in Eclipse status bar.

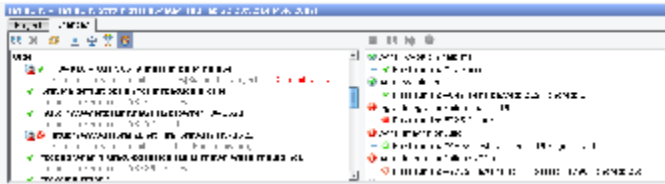
- Remote Run View.
  - Displays locally modified files that could be committed to TeamCity as 'remote run' build. This view is dynamically updated in the same manner as standard Eclipse 'Synchronize' view.

- Navigation
  - Navigation from build logs opened within Eclipse to files referenced in log and from the web client to the Eclipse is supported.
- "Open in Web" actions opens selected objects in web browser.



## IntelliJ IDEA plugin

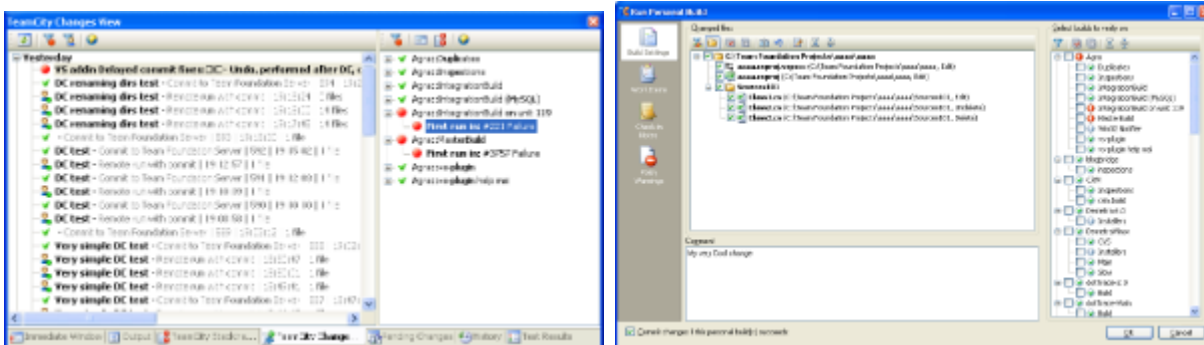
- Option to remember password
- Continuously refresh status of running builds
- Memory leak fixes

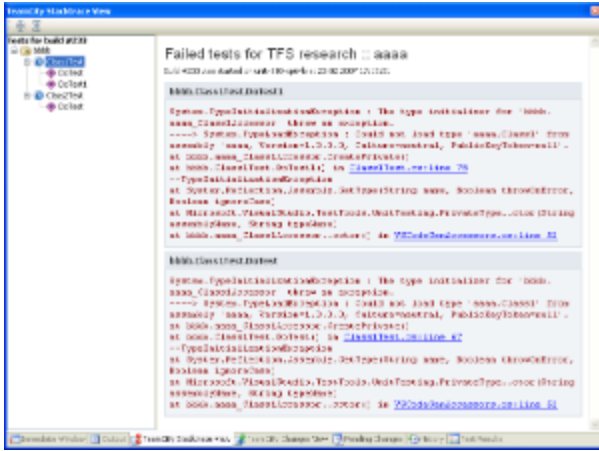


## Visual Studio plugin: Changes view + Delayed Commit for TFS

[link here](#)

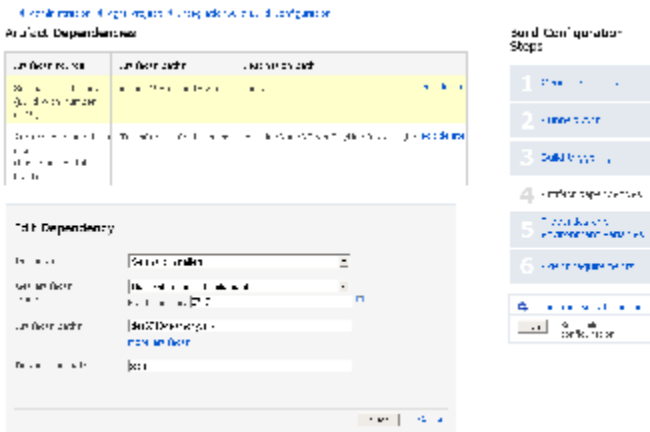
Look at some screenshots:





## Other changes

## Dependent builds and Ivy integration



TeamCity allows to depend one build configuration on another one in terms of artifacts. I.e. if one build configuration requires library produced by another build configuration, you can easily add such dependency and dependent library will be downloaded to the specified place right before build start.

Moreover, TeamCity artifacts repository acts as [Ivy](#) repository, so you can reference and use artifacts from TeamCity in your ant builds!

## Automatic integration of third-party reporting tools

If your build produces some HTML/text/image report which is available as artifact of your build, you can easily create a custom report tab which will show your report embedded right to TeamCity. To do it:

1. In your build script, add a task which archives your whole report into some zip or jar file. Let's name this file "report.zip" (this is step is required if your report contains hundreds of files)
2. For the build configuration, which produces such a report, add "report.zip" (or name of directory with report files) to Artifact paths of this build.
3. In \$HOME/.BuildServer/config/main-config.xml add the following line within <server> tag:

```
<report-tab title="A Report" basePath="report.zip" startPage="index.htm" />
<report-tab title="A Report2" basePath="reportDir" startPage="index.html" />
```

In this line, "title" is title of the tab and it should be unique, "startPage" specifies relative path of start page within zip file or in directory with report files. Default value for startPage is index.html.

## Duplicates runner - Web UI

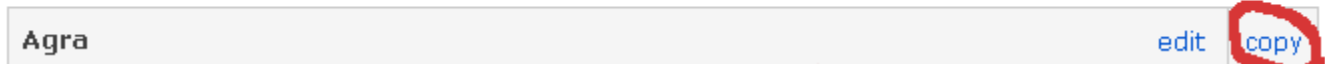


From now, duplicates results are available in the Web UI. You can easily open file with duplicates in IDE, by clicking the link near file with duplicate.

## Possibility to clone projects

Now you have 27 projects.

[+ Create project](#)



## Enhanced "My Changes" view

Now you can see the current status of the change, not only the first one. See screenshot.

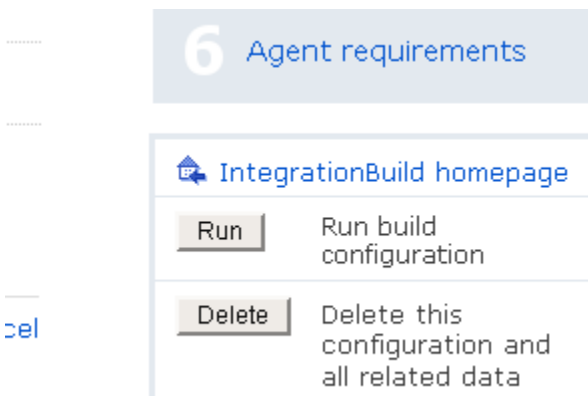


## Option to use current changeset value as build number

### Several Maven fixes

- Support Maven modules for tests
- Enable use of alternative pom file ( `mvn -f mypom.xml` )

### Add "Run" button to configuration screens



## LDAP authentication

## Support pattern-based links to external resources (like Jira issues)

## TeamCity data directory

TeamCity data directory can be configured in two ways:

1. Using system property `teamcity.data.path` passed to TeamCity via JVM option
2. Using environment variable `TEAMCITY_DATA_PATH`

The default value for TeamCity data directory is `$HOME/.BuildServer` where `$HOME` points to user's home directory.