

Continuous Integration with TeamCity

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What is Continuous Integration

- The practise of regularly checking in code that you are working on.
- Prevents 'Monster Merges' where 3 weeks worth of code has to be merged at once
- Identifies bugs quickly allowing them to be resolved whilst still fresh in your mind
- Allows the business to always have a working build available for testing

What is TeamCity

- TeamCity is a continuous integration and build management system
- Web based
- Easy to set up
- Free for the Professional Edition
- An essential tool for any team environment

Which version control systems are available

- Subversion
- Perforce
- CVS
- Borland Star Team
- Microsoft Visual Source Safe
- Team Foundation Server 2005 / 2008
- IBM Rational ClearCase (Base and UCM)
- Mercurial (available as a separate download)

Which Build Runners Are Available

- Ant
- Maven2
- IntelliJ IDEA
- MSBuild
- Nant
- Visual Studio Solutions 2003 / 2005 / 2008
- FX Cop Build Runner

Why use TeamCity

- Pre-Tested Commit
- Test Results Analysis
- Assign/Take Responsibility
- Newly Failed Tests and 'Fixed In'
- IDE, RSS and Windows Tray Notifications
- Build Statistics
- History Builds

Pre-Tested Commit

- Allows each developer to perform a full build on a proper build agent before committing code to the repository
- Can be set to commit the build on successful completion of a personal build
- Failure of a personal build is not seen by anyone else and doesn't hinder other developers

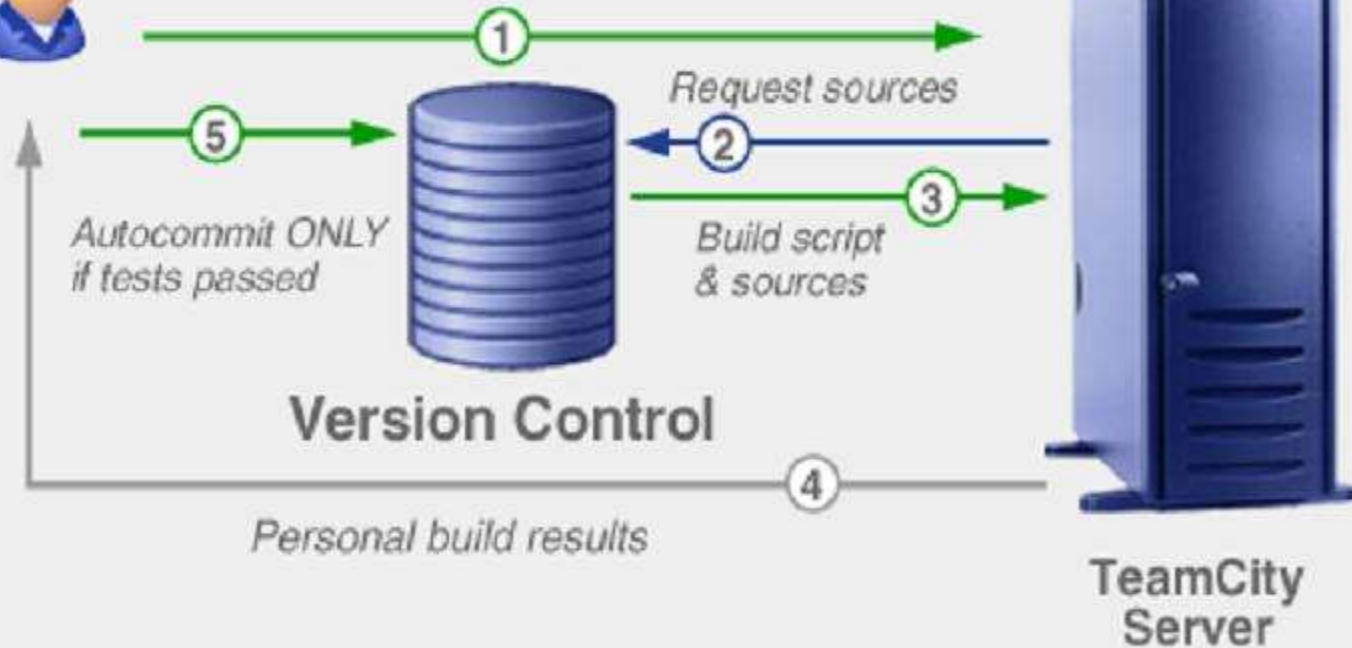


User



Pre-tested Commit
(Changes)

TeamCity



Demo

Where to find out more

- <http://www.jetbrains.com/teamcity/>

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