



Netherlands
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NetBeans & Java Tips & Tricks

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Quick Overview of Benefits & Hands on Installation

- Installation
- Overview of language support (Java, PHP, C, Perl, etc.)
- Customizing with plugins
- Advanced Customizations

Installation

- Download from: <http://netbeans.org/downloads/index.html>
- Different bundles:

Supported technologies *	Java SE	Java EE	C/C++	PHP	All
① NetBeans Platform SDK	•	•			•
① Java SE	•	•			•
① Java FX	•	•			•
① Java EE		•			•
① Java ME					•
① Java Card™ 3 Connected					—
① C/C++			•		•
① Groovy					•
① PHP				•	•
Bundled servers					
① GlassFish Server Open Source Edition 3.1.1		•			•
① Apache Tomcat 7.0.22		•			•

- You can always add new features later

Plugins

- Extend NetBeans with new functionality, e.g.:
 - Language support (PHP, C, Scala, ...)
 - Code Formatting (e.g. PHP Smarty, ...)
 - Testing (Jmeter Kit, Load Generator, ...)
 - Version Control (Git, Subversion, Mercurial, ...)
 - Subversion is included by default

Many plugins come with the distribution, others can be found on the Portal site: <http://plugins.netbeans.org/PluginPortal/>

Plugins (2)

- Some useful plugins:
 - Load Generator & Jmeter Kit
 - PHP Manual
 - EasyPMD (Java code quality)
 - Wicket (not in portal)
 - Checkstyle Beans plugin (not in portal)

Advanced Customizations

- Look & Feel:
 - Antialiasing, L&F on Linux
 - Menu bar position on the Mac
- Other:
 - Memory
 - Proxies

Mac: NetBeans 7.1.app/Contents/Resources/NetBeans/etc/
netbeans.conf

Linux: Netbeans-7.1/etc/netbeans.conf

Both: ~/.netbeans/7.1/

A Typical Workflow

- Create a new Maven project
- Check out code
- Debugging and profiling
- Deploying

Example projects

- <https://trac.nbic.nl/svn/netbeans-presentation/>
 - Standard Netbeans project: [trunk/netbeans-project](#)
 - Modular maven project: [trunk/netbeans-maven-project](#)

Tips summary

- Subversion: commit over multiple maven modules – add the root folder to your favourite window and commit from there.
- Maven:
 - Resolve dependencies: use ‘Show and Resolve problems’
 - Modules: create a new maven project in the existing project, it will automatically be added as a module.
- Code functionality:
 - Create JUnit4 tests
- Plugins to enhance functionality

Advanced topics (if time permits)

- Debugging
- JMeter load generation
- Jenkins