

Setup Eclipse

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Homepage :	http://www.eclipse.org/
Download:	http://www.eclipse.org/downloads/
File(s):	Windows: Eclipse IDE for Java EE Developers: eclipse-jee-ganymede-SR2-win32.zip (168 MB) Linux: Eclipse IDE for Java EE Developers: eclipse-jee-galileo-SR1-linux-gtk.tar.gz (188 MB)

Installation

Windows:

- Unzip ZIP-file to an appropriate folder (C:\Program Files)
- Rename unpacked folder "eclipse" to "Eclipse_Ganymede"
- Create a desktop shortcut or quick launch icon to the executable "eclipse.exe" in the unpacked folder

Linux:

Terminal

```
# cd /usr/local/bin/  
# tar xvfz /home/ralf/DOWNLOADS/eclipse-jee-galileo-SR1-linux-gtk.tar.gz  
# mv eclipse/ eclipse-galileo/
```

Configuration

- Change start parameters in "C:\Program Files\Eclipse_Ganymede\eclipse.ini" or "/usr/local/bin/eclipse-galileo/eclipse.ini"

Windows:

File eclipse.ini

```
-showsplash  
org.eclipse.platform  
--launcher.XXMaxPermSize  
256M  
-vm  
C:\Program Files\Java\jdk1.6.0_13\bin\javaw.exe  
-framework  
plugins\org.eclipse.osgi_3.4.3.R34x_v20081215-1030.jar  
-vmargs  
-Dosgi.requiredJavaVersion=1.5  
-Xmx700m  
-XX:MaxPermSize=690M
```

Linux:

File eclipse.ini

```
-startup
plugins/org.eclipse.equinox.launcher_1.0.201.R35x_v20090715.jar
--launcher.library
plugins/org.eclipse.equinox.launcher.gtk.linux.x86_1.0.200.v20090520
-product
org.eclipse.epp.package.jee.product
-showsplash
org.eclipse.platform
--launcher.XXMaxPermSize
256m
-vmargs
-Dosgi.requiredJavaVersion=1.5
-XX:MaxPermSize=690m
-Xms40m
-Xmx700m
```

Note: Xmx and XX params must be appropriate to your available memory. If Eclipse does not start, down tune them.

- Start Eclipse using shortcut
 - In Workspace Launcher
 - point the "Workspace:" field to a new Workspace-folder like "C:\Documents and Settings\\My Documents\DEV\" (Windows) or "/home/ralf/DEV/<companyname>" (Linux). Better would be a very short path for the workspace directory (to avoid later problems if your project has a very deep folder hierarchy/packages), e.g. "D:\WORKSPACES\" (Windows)
 - Don't check "Use this as default..." (so it will be easier to switch between different workspaces later)
 - Close "Welcome" tab.

Some basic preference settings

- Window - Preferences:
 - General: Show heap status
 - General - Editors - Text Editors: Show line numbers
 - General - Editors - Text Editors - Spelling - Dictionaries: Encoding: UTF-8
 - General - Network Connections: Manual proxy configuration
 - HTTP proxy: <company_proxy_address>, Port: <company_proxy_port>
 - Use this proxy server for SSL
 - No proxy for: add internal addresses
 - Enable proxy authentication: <username>/<password>
 - General - Workspace: Text file encoding: Other: UTF-8
 - Java - Code Style - Formatter - Java Conventions [built-in] -> Use Sun Java Code Conventions

Plugins

Subclipse

Homepage	http://subclipse.tigris.org/
:	

- Installation
 - In Eclipse:
 - Menu "Help - Install New Software..."
 - Install dialog: "Add...": Name: "http://subclipse.tigris.org/update_1.6.x", Location: "http://subclipse.tigris.org/update_1.6.x" - OK
 - Select all (if you are not sure what to select) - Next > - Next >* Accept license - Finish
 - Restart Eclipse
- Configuration
 - In Eclipse:
 - Menu "Window - Open Perspective - Other... - SVN Repository Exploring" - OK
- Usage
 - Add a new repository location:
 - Example:
 - Adding Wicket repository:
 - "SVN Repositories" view: right click - New - Repository location... - Location Url: <http://svn.apache.org/repos/asf/wicket/>
 - Check out
 - Example:

- Checking out Wicket "trunk":
Right click "http://svn.apache.org/repos/asf/wicket/ - trunk" in "SVN Repositories" - Checkout... - Checkout as project in the workspace, Project Name: "wicket-trunk" - Finish
- Troubleshooting
 - Failed to load JavaHL Library.
Ubuntu:
 - Install libsvn-java
 - Edit eclipse.ini and add java.library.path:

```
eclipse.ini  
  
-vmargs  
-Djava.library.path=/usr/lib/jni
```

M2Eclipse

Maven Integration for Eclipse provides tight integration for Maven into the IDE.

Homepage :	http://m2eclipse.sonatype.org/
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- Installation
In Eclipse:
 - Menu "Help - Install New Software..."
 - Install dialog: "Add...": Name: "http://m2eclipse.sonatype.org/sites/m2e", Location: "http://m2eclipse.sonatype.org/sites/m2e" - OK
 - Select all (if you are not sure what to select, I unchecked AJDT...) - Next > - Next >
 - Accept license - Finish
 - Restart Eclipse

Install additional "extras" from "http://m2eclipse.sonatype.org/sites/m2e-extras"