

Core

Ctrl+1	Quickfix
Ctrl+␣	Content Assist
Alt+⇧ Shift+Z	Surround with (do, for, if, try, ..)
Ctrl+Z	Undo
Ctrl+⇧ Shift+Z	Redo

Testing

Alt+⇧ Shift+X, T	execute Tests	
Ctrl+R	execute Tests	moreUnit
Ctrl+J	jump to test or implementation	moreUnit

Comment

Ctrl+/	Comment / uncomment line or selection (adds '//')
Ctrl+⇧ Shift+7	Add Block Comment around selection (adds '/* ... */')
Ctrl+⇧ Shift+B	Remove Block Comment
Alt+⇧ Shift+J	Add Element Comment (adds '/* ... */')

Text Editing

Ctrl+⇧ Shift+Y	lowercase selected text
Ctrl+⇧ Shift+X	uppercase selected text
Ctrl+D	Delete line
Ctrl+⇧ Shift+Del	Delete until end of line
Ctrl+Del	Delete next element
Ctrl+⌫	Delete previous element
Ctrl+Alt+↓ / ↑	Copy line below/above
Alt+/	Propose word completion - after typing at least one letter. Repeatedly press until reaching correct name
Alt+⇧ Shift+A	Column (block) selection, Multiline block editing

Generate

Alt+⇧ Shift+S, R	Generate Getters and Setters
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Movement

Alt+↑ / ↓	Move current line or selection up or down
Ctrl+← / →	Jump one word to the left / right
Ctrl+⇧ Shift+↑ / ↓	Jump to previous / next method
Ctrl+L	Jump to Line Number. To hide/show line numbers, press Ctrl+F10 and select 'Show Line Numbers'
Ctrl+Q	Jump to last location edited
Ctrl+.,	Jump to next / previous warning or error
Ctrl+↑	Scroll up
Ctrl+↓	Scroll down

Tip: Use [bookmarks](#). Add them on left margin of the code view (where you set the breakpoints) with "right click → Add bookmark". Add the Bookmarks-View (Window → Show View → Bookmarks).

Selection

Alt+⇧ Shift+↑	Expand selection to current element
Alt+⇧ Shift+↓	Reduce previously expanded selection by one step

Search / Information

Ctrl+⇧ Shift+T	Open Type
Ctrl+⇧ Shift+H	Open Type In Hierarchy
Ctrl+⇧ Shift+R	Open Resource
Ctrl+O	Show Outline (second press shows the inherited members)
F2	Open class, method or variable information (tooltip text)



Search / Information (cont)

F3	Open Declaration: Jump to Declaration of selected class, method or parameter
F4	Open Type Hierarchy window for selected item
Ctrl+T	Show Quick Type Hierarchy (toggles between supertypes and subtypes when pressed again)
Ctrl+U	Find occurrences of expression in current file
Ctrl+mouse over method	Open Declaration or Implementation
Ctrl+⇧Shift+L	List of shortcuts (depending on the context)
Ctrl+⇧Shift+⌘	Method cursor is located at the parameter Parameter specification for method reference Hints
Ctrl+⇧Shift+G	Search workspace for references to selected method or variable
Ctrl+F	Quick search

Cleanup

Ctrl+⇧Shift+O	Organize Imports
Ctrl+⇧Shift+F	Format Source
Ctrl+I	Intend selected source
Ctrl+⇧Shift+M	Add Import / also static imports

Refactoring

Alt+⇧Shift+R	Rename Element
Ctrl+2, R	Rename locally (in file), faster than Alt+⇧Shift+R
Alt+⇧Shift+L	Extract to local variable

Refactoring (cont)

Alt+⇧Shift+M	Extract to method
Alt+⇧Shift+T	Opens the context-sensitive refactoring menu
Alt+⇧Shift+R	Rename
Alt+⇧Shift+V	Move
Alt+⇧Shift+C	Change Method Signature
Alt+⇧Shift+M	Extract Method
Alt+⇧Shift+L	Extract Local Variable
Alt+⇧Shift+I	Inline

Editor Window

F12	Jump to Editor Window
Ctrl+PgDn/ PgUp	Next / previous Editor - in the order of their tabs in the editor area
Ctrl+M	Maximize or un-maximize current Editor Window
Ctrl+E	Show list of open Editors. Use arrow keys and enter to switch
Alt+←/→	Backward / Forward editor navigation history
Alt+-	Open Editor Window Option menu
Ctrl+F6	Next Editor - if released it immediately, Eclipse will take you to the last active editor
Ctrl+⇧Shift+F6	Previous Editor
Ctrl+E	Quick Switch Editor
Alt+F7	Multipage editor - next Page
Alt+⇧Shift+F7	Multipage editor - previous Page
Ctrl+-	Toogle Split Editor (Horizontal) - since Luna old: Ctrl+_
Ctrl+<	Toogle Split Editor (Vertical) - since Luna old: Ctrl+{



Templates (Java → Editor → Templates)

test	Created test method
for	Creates for loop
new	Creates new instance
try	Creates try..catch
sysout, syserr, systace	Creates System.out...
strf	Format string here
if	if null/if not null
for	iterate over map
static_final	static final field
before	junit before method
after	junit after method
beforeclass	junit beforeclass method
afterclass	junit afterclass method
quote	surround selection with quotes here

Tip: It is possible to select text and use completion (Ctrl+[_](#)) including typing of template name

Changed Eclipse Keybindings

Windows → Preferences → General → Keys

Required modifications due to the german QWERTZ keyboard layout:

1. Add Block Comment - **new:** Ctrl+[↑](#) Shift+7, **old:** Ctrl+[↑](#) Shift+/[/](#)
2. Remove Block Comment - **new:** Ctrl+[↑](#) Shift+ß, **old:** Ctrl+[↑](#) Shift+\[\](#)
3. Toogle Split Editor (Horizontal) - **new:** Ctrl+[+](#), **old:** Ctrl+[_](#)
4. Toogle Split Editor (Vertical) - **new:** Ctrl+[<](#), **old:** Ctrl+[{](#)

Project Specific Configuration

1. Import project **Java formatter configuration**

2. Download **Checkstyle configuration** file from sonar server and reference the config file as a file resource url

3. Download **Findbugs configuration** file from sonar server and add the config file under "include filter files"

4. Download **PMD configuration** file from sonar server and first "clear all" existing rules and then import the config file

Plugins

Testing Support	moreUnit
	Infinittest
Test Coverage	EclEmma
Source Code Analyzer	FindBugs
	Checkstyle
	PMD Update-Site
	Usus
Refactoring	JDeodorant
Subversion Eclipse Team Provider Plugin	Subclipse
	use Subclipse instead of Subversive because it is much faster
	use JavaHL native/JNI provider
Task based working	Mylyn
	Nice: Task-focused Change Sets
	Subclipse includes an optional Mylyn connector

XUbuntu specific Configuration Changes

Delete following keybindings in **XFCE Settings → Window Manager → Keyboard:**

1. Ctrl+Alt+[↓](#)/[↑](#)
2. Ctrl+F6

If running **IBus-Applet** delete keybinding definition for "Ctrl+Space" (Content Assist) in IBus-Settings

Use **gnome-color-chooser** and change options:

1. Tooltip colors (background: yellow, foreground: black)
2. Global colors → Input field selected (foreground: black)

Disable "pink/purple highlights" in Xubuntu 14.10: disable custom highlight-color in **gtk-theme-config**

Settings

show "." files in package explorer	"Package Explorer → View Menu → Filters → uncheck .**" or "Package Explorer → Customize View... → Filters → uncheck .**"
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Settings (cont)

Package Explorer Option "Link with editor"	Link file to package explorer	
Favorites Imports	Windows → Preferences → Java → Editor → Content Assist → Favorites	x ¹
	Add types for Assertion library Hamcrest, Mockito and JUnit-Assert	
Show line numbers	Window → Preferences → General → Editors → Text Editors → "Show line numbers"	
Show print margin	Window → Preferences → General → Editors → Text Editors → "Show print margin"	
Paste multiline strings	Window → Preferences → Java → Editor → Typing → "Escape text when pasting into a string literal"	
Import code templates collection		x ²
Import code template "surround with quotes"		x ²
MoreUnit Configuration	Test source folder: "src/test/java"	
	Test Type: "JUnit4"	

Settings (cont)

	unchecked "Use test-prefix for test-methods"	
	Rule for naming test files → Pattern: (Test){srcFile} (Test IT ITCase)	
Formatter Options	Window → Preferences → Java → Code Style → Formatter → Off/On Tags for //@formatter:off and //@formatter:on	here
	Check the Never join lines preference accessible on the Line Wrapping and the Comments tabs of the Java Formatter preference page	here
Improve Performance	Window → Preferences → Validation, Disable All	
	Add -Xverify:none to eclipse.ini	tell the VM not to validate all the .class files it is loading
	Window → Preferences → General → Startup and Shutdown	remove plugins not needed
	increase -Xmx option in eclipse.ini	
Enable informative Eclipse Compiler Warnings	Window → Preferences → Java → Compiler → Errors/Warnings	set to Warning

Settings (cont)

Potential Programming problems Potential resource leak

Unnecessary code Value of parameter is not used

Unnecessary declaration of thrown exception

Generic types Redundant type arguments (1.7 and higher)

Null analysis Redundant null check

Indent using spaces Window → Preferences → XML Files → Editor
Select "Indent using spaces" and set "Indentation Size: 4"

Window → Preferences → General → Editors → Text Editors
Set "Displayed tab width: 4" and select "Insert spaces for tabs"

x¹: org.mockito.Mockito, org.junit.Assert, org.hamcrest.CoreMatchers
x²: Java → Editor → Templates

General

Refresh all Projects (with some closed in between) In **Package Explorer** Ctrl+A, F5

Use Working Sets for better performance Package Explorer → open the drop-down menu → Select Working Set

If Ctrl+⇧Shift+R and Ctrl+⇧Shift+T does not reflect active Working Set check the small arrow on the top right of the dialogue to select Working Set

Troubleshooting Projects

Maven dependency issues **try without eclipse project resolution** [Project] → Properties → Maven

unchecked "Resolve dependencies from Workspace projects" to check with jars from local ~/.m2 repository instead of eclipse projects within workspace/workingset

clean projects don't mix usage of maven CLI and m2e eclipse plugin

if mixed - make a mvn eclipse:clean (CLI) and import again in eclipse

Error message The archive: <path_to_jar_file> which is referenced by the classpath, does not exist. find project with .classpath file where old/wrong jar is referenced

make a mvn eclipse:clean (CLI) and import again in eclipse

you can use this command to search for the projects referencing old jar: find -name '.classpath' -exec grep -Hin 'example-1.2.3.jar' {} \;