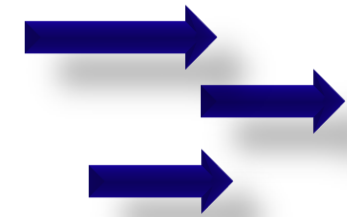# High productivity development with Eclipse and Java 8

Noopur Gupta

Eclipse JDT/UI Committer

IBM India
noopur_gupta@in.ibm.com

eclipse

TIPS & TRICKS

1

Eclipse provides a lot of powerful features and capabilities.

To be productive, mastering your IDE is as important as mastering your source code.

Demo overview

➢ Tips & Tricks for:

❑ Organization

❑ Navigation

❑ Coding

❑ Debugging

❑ Java 8

❑ Keyboard Shortcuts

Demo

Organization

❑ **Working with multiple workspaces**

- o **-data parameter for default workspace location**
- o **Workspace name and location in title bar**

❑ **Abbreviate package names**

❑ **Share software items between Eclipse installations**

- o **Import > From existing installation**
- o **Export / Import > Installed software items to / from file**

5

Navigation

- **In-place outline** (Ctrl + F3)

- **Hovers** (Java > Editor > Hovers)
  - View Javadoc on hover in case of error/warning on identifier:
    Ctrl + Shift + hover (or) Javadoc view
  - View source on hover:
    Shift + hover (or) Declaration view
  - Expand vertical ruler icons on hover

- **Externalized strings**
  - Ctrl + Click on key in .properties file to find referencing code

- **Bookmarks**

Coding

- ❑ **Show Annotations**

- ❑ **Block Selection mode**

- ❑ **Content assist proposal – Insert or Overwrite**
  - ○ Java > Editor > Content Assist
  - ○ Press 'Ctrl' to toggle while content assist is active

- ❑ **Templates**

- ❑ **Formatter Off/On Tags**

Debugging

❑ **Smart step into selection** (Ctrl + Alt + Click or Ctrl + F5)

❑ **Step Filters**

❑ **Grouping breakpoints**

❑ **Print-points**

Java 8

❑ **Quick fix to change a project to be compatible with Java 8**

❑ **Quick assists:**
  o Convert anonymous class to lambda and back
  o Add inferred lambda parameter types
  o Change lambda body to expression or block
  o Convert lambda to method reference and back

❑ **View and navigate to functional method**

❑ **Search method references**

❑ **Icon adornments for interface methods**

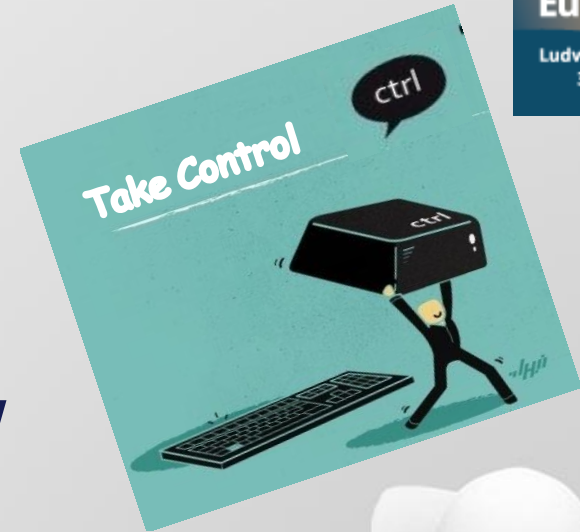# Keyboard shortcuts

o Ctrl + Shift + L
o Preferences > General > Keys

Alt + Shift + F1	Plug-in Selection Spy
Alt + Shift + F2	Plug-in Menu Spy
Alt + Up / Down	Move line(s) Up / Down
Ctrl + D	Delete line
Ctrl + /	Comment / Uncomment line
Alt + Shift + Up / Down	Expand selection to enclosing element
Ctrl + Shift + Up / Down	Go to previous / next member
Ctrl + Shift + P	Go to matching bracket
Ctrl + Q	Go to last edit location
Ctrl + PgUp / PgDn	Sequentially move from one editor to next
Ctrl + E	Quickly filter and switch to any editor Close selected editor with Delete key
Ctrl + M	Maximize / Minimize Editor or View

Last but not the least!

❑ **Eclipse Help > Tips and Tricks...**

❑ **Eclipse Help > Welcome > What's new**

❑ **Eclipse – New and Noteworthy**

...

https://www.eclipse.org/eclipse/news/4.6

THANK YOU

That's all Folks!

Race to Win a GoPro at EclipseCon EU!

Play Code Rally at the IBM booth to try and win