

Eclipse Guided Tour – Part 1

Course Overview

Tod Gentile
@todgentile
www.syncorsystems.com



pluralsight
hardcore developer training

Target Audience

- **New Developers**
- **Experienced Developers new to Eclipse**
- **Some tips and tricks for those with Eclipse Experience**
- **Visual Studio Users**
- **Any software language; BUT Java and C++ focused**

Why Eclipse?

● **Why Use Eclipse**

- Open Source
- Cross Platform
- Plug-in based

● **A few tools built on Eclipse**

- WindRiver Workbench
- Aptana Studio 3
- NetBurner's NBEclipse
- Wikipedia List of Eclipse Software <http://goo.gl/CMY3E>

● **It's free**

Course Overview

- **Getting Started**
- **The Workbench**
- **Project Explorer**
- **Editing Code**
- **Customization**
- **Code Navigation**
- **Advanced Navigation and Searching**
- **Leveraging the Power of Eclipse**



Downloading Eclipse

- **Pick a platform Linux/Mac/Windows**
- **Get a compatible Java Runtime Environment – Match the Bits**
 - 32 Bit JRE needs the 32 bit version of Eclipse (aka x86 version on Windows)
 - 64 bit JRE needs the 64 bit version of Eclipse
 - Linux users <http://goo.gl/DWpr9> some flavors work better than others
- **Pick an Eclipse Flavor**
 - Java
 - C++
 - Others
 - Make your own
- **You also need a toolchain**
 - For Java this is the JDK
 - For C++ Eclipse is geared to the GNU C++ Toolchain

Exploring the Workspace

● **What's a workspace**

- Projects
- Working Sets (group projects)

● **The Visual Studio Concept of a solution**

- Could be the entire workspace
- A smaller solution would just link a few projects (usually also grouped in a working set)

● **Multiple Workspaces**

Adding/Removing Features

- **All the world's a plug-in**
 - Getting plug-ins from an update site (preferred but not always possible)
 - Putting plug-ins in the *dropins* directory
- **How to combine C++/Java into one release**
- **Easily see what's currently installed**
- **Remove features you don't want**

Summary

● **Now you should know**

- What Eclipse is
- How to download and install it
- What a toolchain is and how to get one
- What a project, working set and workspace is

● **Some important references**

- <http://www.eclipse.org>
- <http://help.eclipse.org>
- <http://wiki.eclipse.org/Eclipse/Installation>