



Tutorial Prerequisites

Tutorial 1 - Contributing to Eclipse: understanding and writing plug-ins

Attendees should have a laptop computer with a working installation of Eclipse (3.0 or 3.1 M1 - 3.1 M5) on their machines.

Tutorial 2 - Workbench and JFace Foundations

Attendees should have a laptop computer with CD-ROM drive (wireless support would be useful), 1.4.2 Java JRE installed, Latest Milestone build of Eclipse 3.1 downloaded and installed.

Tutorial 3 - Getting Started with Eclipse

Attendees should have a laptop computer with the Eclipse zip file downloaded and Java Runtime installed.

Tutorial 4 - Using the Test and Performance Tools Platform (TPTP)

I. Download the require drivers:

| Require drivers: | Where to download: | Require version: |
|------------------|--|---|
| Eclipse | http://www.eclipse.org/downloads/index2.php or directly at http://www.eclipse.org/downloads/download.php?file=/eclipse/downloads/drops/R-3.0.1-200409161125/eclipse-SDK-3.0.1-win32.zip | 3.0.1 |
| JRE ¹ | http://java.sun.com/downloads/ | J2SE 1.4.2 |
| Hyades | http://dev.eclipse.org/viewcvs/indextools.cgi/~checkout~/hyades-home/downloads/download.html | 3.2 Requires: Hyades Runtime Hyades Examples Hyades Data Collection Engine Optional: Hyades Source Hyades Component Test |
| EMF | http://fullmoon.torolab.ibm.com/tools/emf/scripts/downloads.php or directly at http://download.eclipse.org/tools/emf/downloads/drops/2.0.1/R200409171617/emf-sdo-SDK-2.0.1.zip | 2.0.1 |
| XSD | http://fullmoon.torolab.ibm.com/tools/emf/scripts/downloads.php or directly at http://download.eclipse.org/tools/emf/downloads/drops/2.0.1/R200409171617/xsd-SDK-2.0.1.zip | 2.0.1 |

II. Follow the steps below to set up Eclipse Workbench:

1. Install JRE²
2. Extract Eclipse into a folder c:\TPTP_Tutorial

¹ Steps can be ignored if you already have the JRE installed.

² Steps can be ignored if you already have the JRE installed.

3. Extract EMF into folder c:\TPTP_Tutorial
4. Extract XSD into folder c:\TPTP_Tutorial
5. Extract Hyades Runtime and Examples into folder c:\TPTP_Tutorial\eclipse
6. Extract Hyades Data Collection Engine to a folder c:\TPTP_Tutorial\DCE

III. Setting up Hyades Data Collection Engine (aka Remote Agent Controller):

Hyades Data Collection Engine can be setup and run as an application or as a system service, please refer to the getting_started.html file in c:\TPTP_Tutorial\DCE for detail.

IV. Before you launch Eclipse workbench, it is important to have JRE install in your system path.

Tutorial 5 - Introduction to SWT

Attendees should have a working knowledge of Java and eclipse's Java development facilities. To get the most out of this tutorial, we request participants to have eclipse installed and running on their laptops prior to the tutorial. You will need eclipse R3.0 or higher and a Java development kit (JDK) version 1.4.2 or higher.

Tutorial 6 - Building a Custom Test Execution Environment

None listed at this time

Tutorial 7 - Eclipse Concurrency in Action

Attendees should have a laptop with an operating system that can run Eclipse (Windows, Mac OS X, or Linux), A recent stable build of Eclipse (either 3.1 M4 or 3.1 M5), A Java VM suitable for running Eclipse (preferably 1.4.2 or better), Some way of installing example code, either a CD drive, a wireless connection, or a USB slot.

Tutorial 8 - Developing Eclipse Rich-Client Applications

- Laptop with Java VM 1.4 installed.
- Current milestone build 5 of Eclipse 3.1 SDK. The 3.1 release is expected for end of July 2005.
- RCP and RCP SDK downloads available in local file system.
 - eclipse-RCP-3.1M5a-win32.zip
 - eclipse-RCP-SDK-3.1M5a-win32.zip
 - eclipse-SDK-3.1M5a-win32.zip
 - eclipse-test-framework-3.1M5a.zip

Note: This tutorial was created on a Windows XP installation. With slight modifications it should run on other Eclipse-supported platforms as well.

Tutorial 9 - Enterprise AspectJ Tutorial using Eclipse

Tutorial attendees should bring a laptop to follow along the hands-on portion of the tutorial. It is recommended that you install Eclipse 3.0.1 with AspectJ plugin (AJDT 1.1.12 available at update URL <http://download.eclipse.org/technology/ajdt/30/update>). If you have 3.1 milestone version of Eclipse installed, you will need to install the corresponding version of AJDT available at update URL <http://download.eclipse.org/technology/ajdt/31/update>. Please carefully check compatibility information at <http://eclipse.org/ajdt/download.html>.

Tutorial 10 - Aspect-Oriented Programming with AspectJ

For the hands-on exercises we will be doing as part of the AspectJ tutorial, it is desirable that you have a laptop. However, it is not a hard requirement as we are likely to be working in small groups of two or three people around each machine. We will have distributions of eclipse and

the eclipse AspectJ tools (AJDT) available at the session but it will help minimize the time spent configuring machines if you have an Eclipse 3.0 or 3.1 (milestone) distribution installed. Ideally you should also go to the AJDT site, <http://eclipse.org/ajdt> and obtain the correct distribution of AJDT for your eclipse environment from the AJDT download page - For Eclipse 3.0 this can be AJDT 1.1.12 or the latest milestone build of AJDT 1.2.0. For Eclipse 3.1 you should consult the latest information on the download page. We will be distributing the exercises as an eclipse plugin at the tutorial session.

Tutorial 11 - Models to Code with the Eclipse Modeling Framework

Attendees may wish to bring a laptop to follow along with the examples presented in the tutorial. The Eclipse 3.1 M5a SDK and the latest 2.1.0 Integration build of the combined EMF/SDO/XSD SDK (available from <http://download.eclipse.org/tools/emf/scripts/downloads.php#goto2.1.0l> and labeled "ALL SDK") are recommended for this purpose.

Tutorial 12 - Introduction to the Web Tools Platform

1. Web Tools Platform (WTP) project

The WTP project can be downloaded from <http://download.eclipse.org/webtools/downloads/>

2. Tomcat 5.0.28

Tomcat is available from <http://jakarta.apache.org/tomcat/>

3. JDK 1.4.2

Sun's JDK is available from <http://java.sun.com/j2se/1.4.2/download.html>

*Please go to the Tutorials page, scroll down to Tutorial 12, click download presentation and refer to "WTPTutorialPart1" for complete set up instructions.

Tutorial 20 - Advanced UI Development in the Eclipse Workbench

Attendees should have a laptop computer with CD-ROM drive (wireless support would be useful), 1.4.2 Java JRE installed, Latest Milestone build of Eclipse 3.1 downloaded and installed.

Tutorial 21 - The Eclipse Debug Framework

Attendees should have a lap top computer capable of doing Eclipse plug-in development. We will also want participants to have downloaded some example code (URL to be determined).

Tutorial 22 - Using TPTP Logging and Monitoring Tools

The demonstration component of tutorial #22 does not require the attendees to have a computer. However, attendees may bring a personal laptop to the tutorial to follow the demonstration steps on their local machine to enhance the demonstration experience.

Attendees are encouraged to preconfigure their machines with the following software:

-Hyades v3.1.0 Release Build* (<http://www.eclipse.org/hyades/> >> Download Page >> Release Builds >> 3.1.0)

Tutorial 23 - GEF In-Depth

For the GEF In Depth tutorial (#23), all attendees should bring a laptop computer with the following installed: Eclipse 3.1 M5, GEF SDK 3.1 M5, And the following file should be unzipped and imported into a clean workspace: <http://www.eclipse.org/gef/conference/activity.zip>

Tutorial 24 - Creating, Packaging, Testing and Deploying Features in Eclipse 3.0

Attendees should have a laptop computer with Eclipse SDK 3.1/3.0.1 installed (preferably 3.1).

Tutorial 25 - Eclipse Distilled: A Quick Start to Agile Development

None listed at this time

Tutorial 26 - Developing for the Rich Client Platform

To get the most from this tutorial, you need to bring a laptop capable of running Eclipse and developing plug-ins.

Before the tutorial, you need to have the following software loaded on your machine:

Eclipse SDK 3.1M5 <http://www.eclipse.org/downloads>

Eclipse RCP SDK 3.1M5

Eclipse RCP Delta Pack 3.1 M5

A Jabber client <http://www.jabber.org>

Eclipse should be installed and running.

The RCP SDK and RCP Delta pack should be kept as zip.

Your jabber client should be installed and running with an account.

Tutorial 27 - Visual Editor Tutorial

Attendees would benefit from having the Visual Editor 1.0.2 release build including the "org.eclipse.ve.examples" plugin. However this is more to follow along as the tutorial will cover all of the background and everything related to extending the visual editor will be done by demonstration rather than a hands-on classroom.

Tutorial 28 - Mastering Eclipse Modeling Framework

Attendees should have knowledge of Java.

Tutorial 29 - Java Tool Smithing - Extending the Eclipse Java Dev. Tools

Attendees should have a laptop computer with the latest Eclipse 3.0.x or a 3.1 milestone installed.