

Training Agenda

Customizing Pro/ENGINEER with J-Link

Day One (26 Tasks)

Welcome and Introduction

Introduction of J-Link

- Introduction
- Java Programming
- What is J-Link
- Installation and Setup
- Class Types
- Exception handling
- ✓ *5 Tasks will be completed*

Eclipse – Using a Java IDE

- Introduction of Eclipse
- Downloading and Setup of Eclipse
- Working with Projects
- Creating a New Project
- Creating a Package
- ✓ *2 Tasks will be completed*

Synchronous Mode – Understanding Synchronous Mode

- Registering a J-Link Synchronous Application
- Structure of a Synchronous Java Class
- Creating Buttons, Menus, and Messages files
- Creating a protk.dat
- Running a Synchronous Application
- Getting input from a user
- ✓ *9 Tasks will be completed*

Model Objects – Understanding the Model Object

- Retrieving Models
- Selecting a Models
- Opening Multiple Objects
- ✓ *10 Tasks will be completed*

Day Two (12 Tasks)

Parameter Objects – Understanding Parameters in J-Link

- Getting a list of parameters from a model
- Getting Parameter Designation Status
- Reading from a text file
- Creating and renaming Parameters
- ✓ *10 Tasks will be completed*

Feature Objects – Understanding Feature Objects

- Obtaining feature information and types
- Deleting and renaming features
- ✓ *2 Tasks will be completed*

Day Three (21 Tasks)**Family Table – Understand Family Table Objects**

- Verifying family table Instances
- Adding a family table column
- Accessing family table rows and columns
- ✓ *8 Tasks will be completed*

Assembly Objects – Understanding Assemblies

- Assembly component feature objects
- Traversing Assemblies
- Retrieving Active Assembly Components Parameters
- Recursive Assemblies
- ✓ *5 Task will be completed*

Asynchronous Mode – Understanding Asynchronous Mode

- Setting up a Asynchronous Mode
- Connecting to Pro/ENGINEER
- Opening a model in Pro/ENGINEER
- Understanding the debug mode
- Start and Connect to Pro/ENGINEER
- ✓ *8 Tasks will be completed*

Day Four (15 Tasks)**Drawing Objects – Understanding Drawing Objects**

- Drawing Object Structure
- Retrieve Drawings
- Replace Drawing Formats
- Retrieve Drawing Information
- Add/Remove Drawing Tables
- Modify/Add Text in Drawing Tables
- Determine notes references
- ✓ *12 Tasks will be complete*

Deploying Applications – Understanding Deploying Achieves

- Deploying and Updating JAR files
- Creating startup script
- ✓ *3 Tasks will be complete*

Action Listeners

- Creating Action Listeners
- ✓ *4 Tasks will be complete*

Breaks

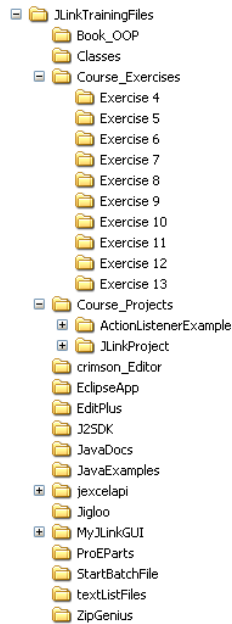
There will be a 15 minute morning and late after noon intermission. Lunch will be taken for 1 hour approximately at noon.

Class Duration

The class is planned to approximately start at 9:00 am and end at 5:00 pm each day.

Equipment & Materials Supplied

Each student will receive an Introduction to Java and a J-Link Training Manual with a CD that includes the Eclipse IDE application and all the training files that is shown below.



Onsite Class

There can be laptops equipped with Pro/ENGINEER Wildfire X.0 for all students if requested. Each laptop will have all training material and required software for training.

Students can provide their own laptops if desired. Students should have the required software installed listed below.

- Pro/ENGINEER (Wildfire x.0)
- Eclipse Classic
<http://www.eclipse.org>
- J2SE Software Development (SDK) 1.6.x for windows

Download JDSE SDK at <http://java.sun.com/javase/downloads/widget/jdk6.jsp>

To install and run the J2SDK, Sun recommends that PCs have these minimum requirements:

- Pentium III processor
- 500 MHz 256 MB RAM
- 100 MB free space

All required software and training files are provided on site on a CD or USB smart drive with the exception of PTC Products.

Offsite Class

Each student will have a computer with all required software loaded for training.