Java Advanced

Prerequisites: Java Introduction

Length: 2 Days

Summary: This course explores more advanced concepts of Java Introduction. Students will learn how to us Java Database Connectivity to access databases and sockets. They will be able to create network-enabled applications and master advanced Java bean properties.

COURSE CONTENT

USING NETWORK ENABLES APPLICATIONS

- Working with the OSI Model, TCP/IP, TCP and Sockets
- Using the Inet Address and Server Socket Classes
- Communicating Between Client and Server
- Using the Chat Program
- Using a Multi-Thread Server

WORKING WITH NETWORK APPS USING UDP: INTRODUCING JDBC

- Understanding JDBC Drivers, ODBC and Proprietary Protocols

IMPLEMENTING JDBC

- Connecting to the Database Using the JDBC-ODBC Bridge
- Setting Up and Using JDBC
- Configuring ODBC
- Loading the Driver
- Making the Connection to the Data Source

USING THE SQL PACKAGE

- Using the Database Meta Data and Result Set Medta Data Interfaces
- Making Select Queries and Statements
- Viewing Result Sets

USING RMI

- Understanding, locating and implanting an RMI
- Working with the Transport Layer
- Using Source Code Files, RMI Architectures and RMI Registry

JAVA AND CORBA

- Working with and Mapping the Java IDL
- Working wit the CORBA Interface and Operations

USING JAVA SERVLETS

- Understanding and Developing Servlets
- Creating a Web Page with a Servlet
- Finding HTTP Request Information
- Processing Forms with Servlets

USING ADVANCED BEAN PROPERTIES

- Using Bound and Constrained Properties

USING THE TENGAHSERVER AND THREE-TIER CLIENT SERVER ARCHITECTURE

- Setting Up the Server

WORKING WITH THE T3 CLIENT

- Working with the T3 URL and Protocols
- Creating the Connections to the DBMS
- Embedding a T3 Client