

Java SE 7 New Features

Duration: 2 Days

What you will learn

This new feature course delves into the major changes and enhancement in Oracle Java SE 7 release. It's designed for Java professionals who are already proficient with developing Java programs by using Java SE 6 or earlier Java SE platforms.

Learn To:

Delve into the new features and enhancements in the Java SE 7 platform, and start using it to develop Java applications.

Describe the language enhancements in Java SE 7.

Describe the core platform technology enhancements.

Describe the new APIs for the I/O and network enhancements.

Meets Certification Training Requirement

This course fulfills the training requirement for an Oracle Certification path. Only Classroom Training, Live Virtual Class or Training On Demand (TOD) courses will fulfill the requirement. Self-Paced and Knowledge Center courses do not meet the training requirement.

Audience

Developer

Course Objectives

Implement the small language enhancements in your code (JSR 334)

Implement the dynamic language support (JSR 292)

Enable concurrency and collections enhancements in your code (JSR 166Y)

Implement the enhancements in network and file system access (JSR 203)

Describe and leverage the enhancements in JDK 7 platform

Course Topics

Overview of JDK7 Platform

JDK 7 Platform: OS Support

JDK 7 Platform: Browser Support

Overview of the new features

Language Enhancements

Strings in Switch

The try-with-resources Statement

Type inference for generic instance creation

Implementing binary literals

Catching multiple exception types and rethrowing exceptions with improved type checking

Improved varargs method invocations

Core Technologies Enhancements

Support for dynamically-typed languages

Enhancements in the class-loader architecture

Enhancement in the swing package

Optimized Java2D rendering

Enhancement in the XML stack

Collections framework enhancements

Concurrency utilities enhancements

Support for JDBC 4.1 and RowSet 1.1

I/O and Network Enhancements

New APIs for file system access

The java.nio.file package

Describe Stream Control Transmission Protocol

Describe Sockets Direct Protocol

Use the Windows Vista IPv6 stack