COURSE OVERVIEW

Course Name:
Java SE Exploiting Modularity & Other New Features

COURSE DURATION: 2 Days

Gauteng:
3rd Floor 34 Whitely Road
Melrose Arch
Johannesburg
2196
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Gauteng:
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Cape Town:
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INTRODUCTION

Java SE: Exploiting Modularity and Other New Features introduces the Java module system and other new features, including JShell, convenience methods, new techniques for working with streams, and managing deprecated APIs. These features were introduced in versions after Java 8, and therefore new to developers migrating to Java 11

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TARGET AUDIENCE

- Developer
- Manager

PREREQUISITES

- Java SE 8 Fundamentals Ed 1
- Java SE 8 Programming Ed 1
- Develop applications using the Java programming languages.
- Ability to use object-oriented programming techniques.
- Ability to use classes commonly found in Java programs.
- Administer operating systems from the command line.

Course Objectives

- Identify deprecated APIs and possible alternatives.
- Swap sub-optimal or tedious coding with convenience methods.
- Create a modular Java application.
- Run applications that combine modularized libraries and non-modularized libraries.
- Create a custom runtime image.
- Build Multi-release JAR files.
- Design interfaces which implement methods
- Process stream data using new convenience methods.
- Leverage JShell for fast code experiments
- Identify and apply new methods to more conveniently work with collections and arrays.
- Identify and address common requirements in migrating older applications to modularity.

Course Topics

Lesson 1

- Why Modules?

Lesson 2

- Working with the Module System

Lesson 3

- Modular JDK

Lesson 4

- Creating Custom Runtime Images

Lesson 5

- Migration

Lesson 6

- Services

Lesson 7

- Multi-release JAR files

Lesson 8

- Private Interface Methods

Course Topics

Lesson 9

- Enhancements to the Stream API

Lesson 10

- JShell

Lesson 11

- Convenience Methods for Collections

Lesson 12

- Convenience Methods for Arrays

Lesson 13

- Enhanced Deprecations for APIs

ASSOCIATED EXAMS & CERTIFICATION

None