

Understanding the Java Virtual Machine

Classloading and Reflection

INTRODUCTION



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This Module



Introduction to Classloading

Java code compiles to .class files

- these classes have to be loaded into the virtual machine

Where does Java load its classes from?

- What is the classpath?

Setting the classpath globally

Setting the classpath when running a Java application



A Note on Versions

Java 8 Still Widely used

- Course runs on Java 11

Things changed in Java 9

- Modules introduced



A Note on Demos

JetBrains IntelliJ Idea

All demos have Gradle build files

- Except for one
- Ant build file

Run on Java 8 and Java 11



This Course



Classloading basics

Writing our own classloader

Using classloading delegation

Hot deploying Java code

Understanding Java reflection

Using reflection to implement a simple
IoC container

