

Modern Java: The Big Picture

INTRODUCING THE JAVA PLATFORM



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Modern Java?

Cloud Agile DevOps

Course Overview

Introducing the Java Platform

Adopting Java

From Desktop to Enterprise Java to the Cloud

Exploring Popular Java Libraries

Practices and Common Tools

Examining Alternative Java Languages



Common Java Misconceptions

Misconceptions: The Easy Stuff

Coffee

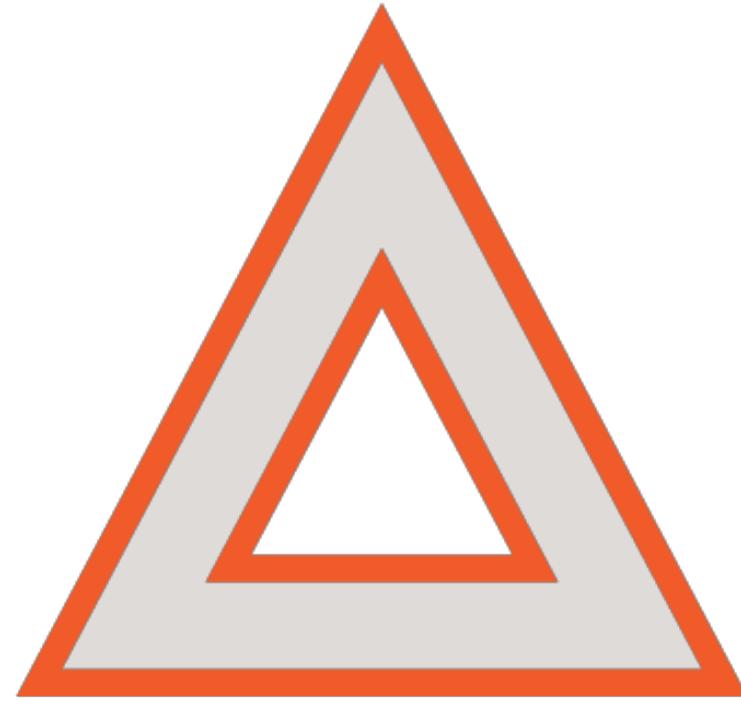


Island of Indonesia



Jakarta

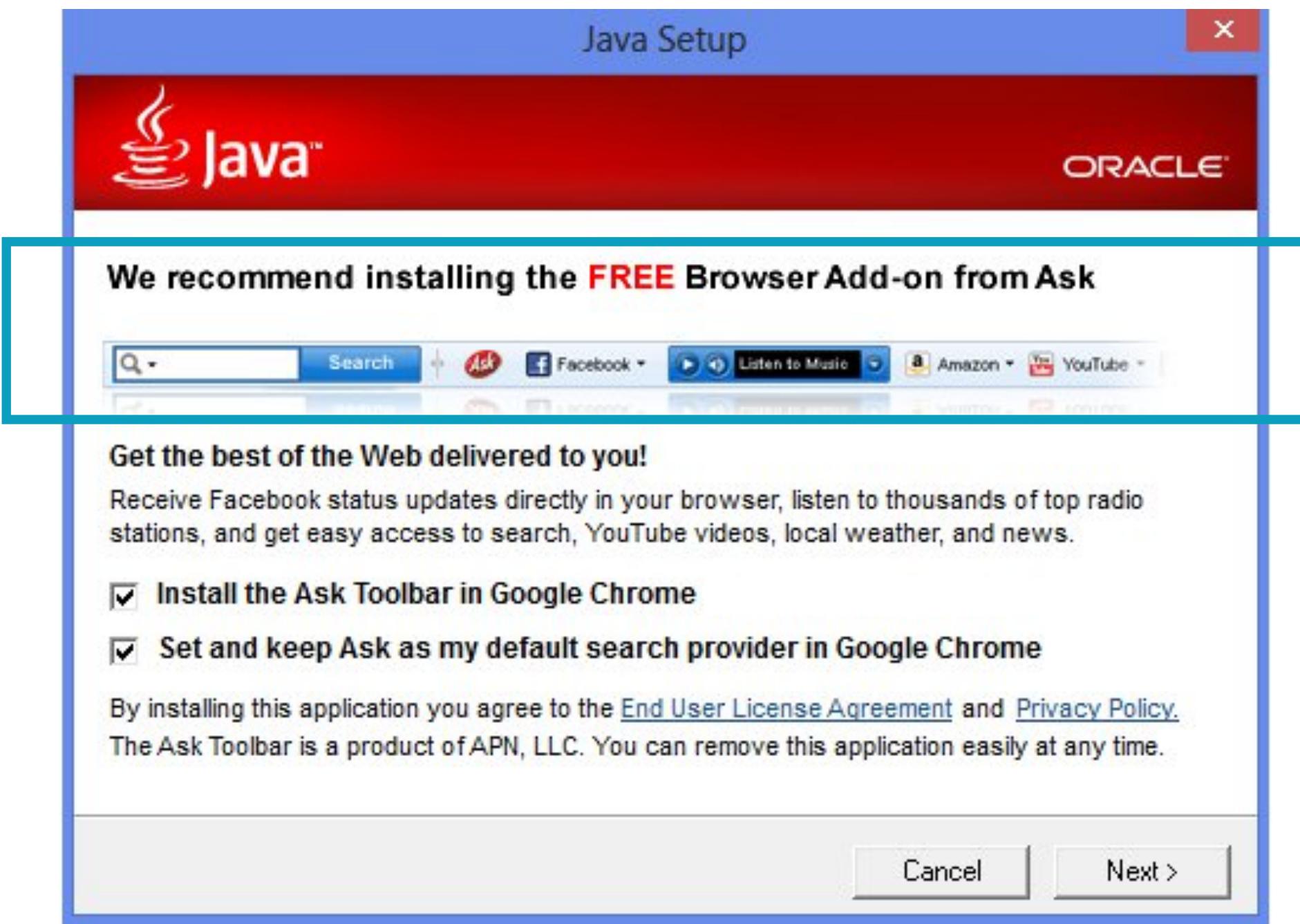
Misconceptions: JavaScript



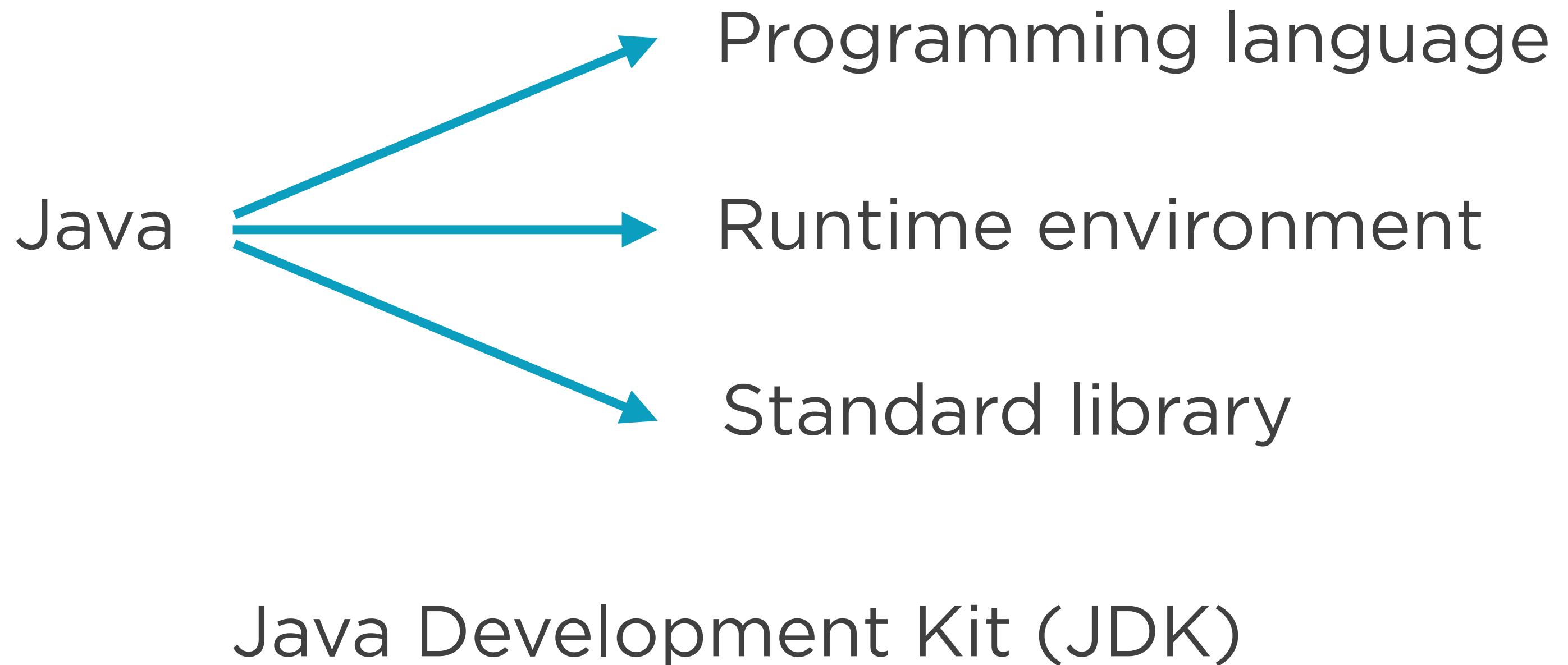
No relation between Java & JavaScript
Java belongs to Oracle

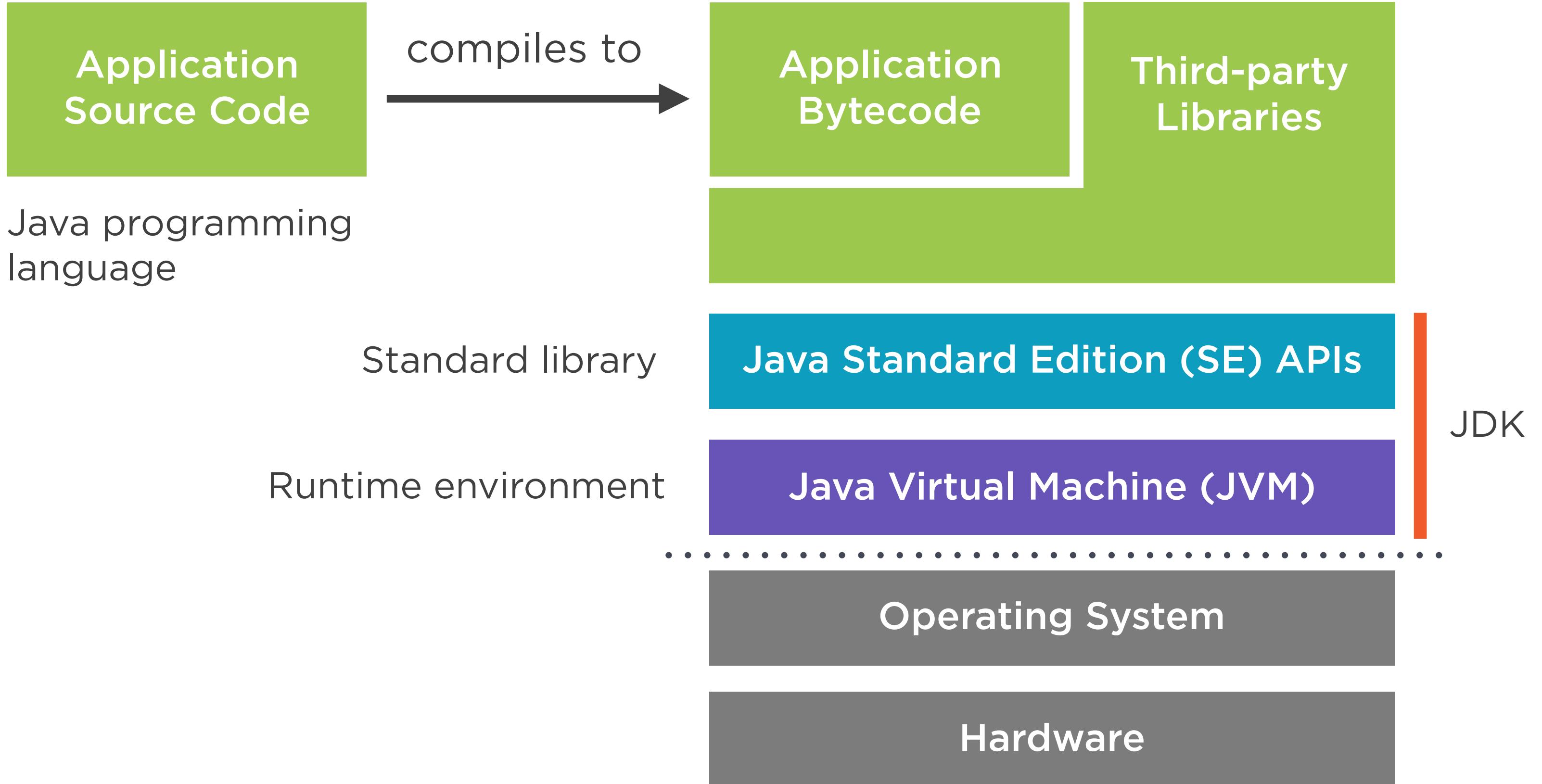
~~Java & JavaScript~~
ECMAScript

Misconceptions: The Annoying Java Plugin



The Java Platform





Compiling and Running Java Code

Hello.java

class declaration

```
public class Hello {
```

main method

```
    public static void main(String[] args) {
        System.out.println("Hello PluralSight!");
    }
```

```
}
```

Compiling and Running Java Code

Hello.java

```
public class Hello {  
  
    public static void main(String[] args) {  
        System.out.println(  
            "Hello PluralSight!");  
    }  
  
}
```

javac
→

Hello.class

java

Java Standard Edition (SE) APIs

Java Virtual Machine (JVM)

Demo

Compiling and Running Java Code

Download JDK



oracle.com/technetwork/java/javase

Summary

Java Platform in 3 parts

Java Programming Language

Java Standard Edition (SE) APIs

Java Virtual Machine (JVM)

JDK