

# Examining Alternative JVM Languages

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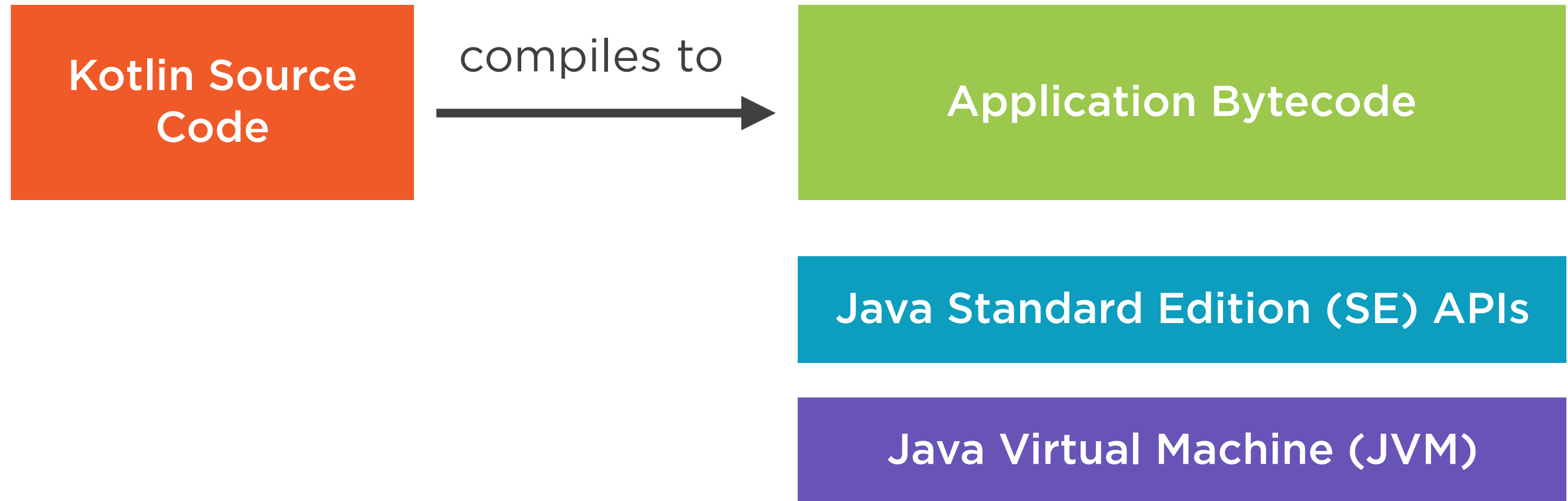


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# Alternative JVM Languages



# Alternative JVM Languages

## Why?

Productivity

Familiarity

Different paradigms



# Groovy

Dynamic scripting language for the JVM

**Interpreted or compiled**

**Opt-in type system**

**Concise but still close to Java**



# Scala

Combines OO Programming with Functional Programming

**Compiled language**

**Extensive type system**

**Akka, Spark written in Scala**



# Scala

Hello.scala

```
object Hello extends App {  
    println("Hello from Scala!");  
}
```

Hello.class

Hello\$.class

# Kotlin

A 'better Java'

**Seamless Java interop**

**Endorsed by Google for Android development**

**Also runs in the browser**



# Course Wrap-up

**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**



# Recommended Resources

This course is part of:  Java Path



Java Fundamentals courses



Big Picture: Java EE, Spring



What's New in Java {9, 10, 11, ...}



Modern Java in Action (Manning)