

#### WHAT YOU WILL LEARN

- Industry trends around enterprise application development
- Red Hat's approach to application modernization
- How to discuss migration and modernization with your customers or managers
- Migrating an existing legacy Java™ EE app to Red Hat JBoss Enterprise Application
  Platform on OpenShift.
- Using modern frameworks like <u>Spring Boot</u>, <u>Wildfly Swarm</u>, <u>Eclipse Vert.x</u>, and <u>Node.js</u> to implement cloud native microservices and replace monolithic functionality.
- Developing and deploying using <u>Red Hat OpenShift Container Platform</u>, <u>Red Hat OpenShift</u>
   <u>Application Runtimes</u>, and DevOps processes.
- The benefits and challenges with microservices, including use cases for reactive microservices.
- Preventing and detecting issues in a distributed system.
- Pros and cons with different packaging techniques for microservices



#### AGENDA

9:00AM-9:15AM

**WELCOME** 

9:15AM-10:15AM

MOVING EXISTING APPS TO THE CLOUD

10:15AM-11:00AM

**DEVELOPER INTRO TO OPENSHIFT** 

11:00AM-11:15AM

BREAK

11:15AM-12:30PM

MONOLITHS TO MICROSERVICES PART 1

12:30PM-1:00PM

LUNCH

1:00PM-2:15PM

MONOLITHS TO MICROSERVICES PART 2

2:15PM-3:00PM

REACTIVE MICROSERVICES WITH ECLIPSE VERT.X

3:00PM-3:15PM

BREAK

3:15PM-4:45PM

PREVENT AND DETECT DISTRIBUTED APP ISSUES

4:45PM-5:15PM

PACKAGING MICROSERVICES | API-LED MODERNIZATION

5:15PM-5:30PM

WRAP-UP AND CLOSING REMARKS



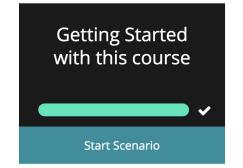
### **PREREQUISITES**

- Laptop with recent browser:
  - Chrome, Firefox, Internet Explorer/Edge 10+, or Safari 9+ installed
- Are a Java developer, architect, or developer team lead interested in learning more about the latest technologies for modern application development
- Working knowledge of Java programming
- Familiarity with Linux container technology and concepts



## Hands-on Labs: openshift-modernize-apps.katacoda.com





Moving existing apps to the cloud

Start Scenario







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