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Microsoft Azure

MONOLITHS TO MICROSERVICES: APP TRANSFORMATION

Hands-on Technical Workshop Overview

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 Spring Boot, Wildfly Swarm, Eclipse Vert.x, and Node.js to implement cloud native microservices and replace monolithic functionality.
- Developing and deploying using Red Hat OpenShift Container Platform, Red Hat OpenShift Application Runtimes, 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

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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

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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

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

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