

Red Hat OpenShift Development II: Creating Microservices with Red Hat OpenShift Application Runtimes

Code:	DO292
Length:	4 days
URL:	View Online

Red Hat OpenShift Development II: Creating Microservices with Red Hat OpenShift Application Runtimes (DO292) introduces you to three runtimes: WildFly Swarm, Vert.x, and Spring Boot. This course is an intensive, hands-on programming experience in which you will develop multiple microservices using the three runtimes and deploy them on a Red Hat® OpenShift Container Platform cluster. This course is based on Red Hat® Enterprise Linux 7.5 and OpenShift Container Platform 3.9. Like members of many organizations, you may be interested in or are already employing microservice architectures. We have introduced solutions to ease the on-ramp for the creation and deployment of microservices through its developer programs and Red Hat® OpenShift Application Runtimes.

Skills Gained

As a result of attending this course, you will be exposed to three of the Java-based OpenShift application runtimes: WildFly Swarm, Vert.x, and Spring Boot. This course teaches the differences between these platforms and shows how each platform is best suited for various types of use cases. You will have the opportunity to develop real-world applications in each of the three runtimes.

- Determine which of the three runtimes is appropriate for a given use case.
- Develop a simple microservice in each of the three runtimes, given appropriate documentation and examples.
- Deploy microservices that interact with one another using the Red Hat OpenShift Container Platform.

Who Can Benefit

- Java application developers interested in employing microservices architectures
- Software architects interested in creating and deploying microservices

Prerequisites

- Have completed Red Hat Application Development I: Implementing Microservice Architectures (JB283), or demonstrate equivalent experience with microservice architecture
- Being a Red Hat Certified System Administrator (RHCSA) or higher is helpful, for navigation and usage of the command line
- Being a Red Hat Certified Specialist in Containerized Application Development, completing Red Hat OpenShift Development

I: Containerizing Applications (DO288), or experiencing developing and deploying containerized applications to an OpenShift cluster

Course Details

Course Outline

- Deploy microservices with the WildFly Swarm runtime
 - Develop microservices with the Vert.x runtime
 - Develop microservices with the Spring Boot runtime
 - Develop an API gateway
 - Implement fault tolerance with Hystrix
-