

## Red Hat Enterprise Service Bus Deployment with Red Hat JBoss Fuse (JB 435)

### COURSE OVERVIEW:

Attendees will learn the skills required to manage, deploy, and customize Red Hat JBoss Fuse and develop the core concepts of OSGi-based application using Red Hat JBoss Fuse's features, including:

- Bundle management
- Server management
- Deployment via Fuse Fabric, Hawt.io, and Red Hat JBoss Developer Studio

### WHO WILL BENEFIT FROM THIS COURSE?

Red Hat JBoss Fuse administrators and developers who need to learn how to install, configure, manage and deploy OSGi-compliant applications.

### PREREQUISITES:

Java EE application server administration knowledge

Experience with tools such as Maven or Ant

Basic Camel knowledge

### COURSE OBJECTIVES:

Students should be able to demonstrate the following skills after course completion:

- Install and configure Red Hat JBoss Fuse.
- Create OSGi deployables using Apache Maven extensions.
- Customize Red Hat JBoss Fuse runtime environment to deploy modular applications.
- Create a secure environment to run Red Hat JBoss Fuse on Red Hat Enterprise Linux.
- Deploy and configure Red Hat JBoss Fuse with its command line interface.
- Create a high-available environment using Fabric.

### COURSE OUTLINE:

Learn about the major concepts that underlie the JBoss Fuse/OSGi environment, including architecture, major subsystems, and dependencies on other products.

#### Install and customize Red Hat JBoss Fuse

- Locate, install, and familiarize yourself with Red Hat JBoss Fuse customizations.

#### Manage Red Hat JBoss Fuse

- Use command line to exercise many subsystems of JBoss Fuse.

#### Implement OSGi in production

- Identify the concerns OSGi addresses and how Red Hat JBoss Fuse solves for these concerns to improve development productivity.

**Understand Fuse Application Bundles**

- Understand the differences and benefits between OSGi bundles and Fuse Application Bundles.

**Manage Red Hat JBoss Fuse in large deployment scenarios**

- Create, customize, and deploy new servers for a production environment.

**Implement security in Red Hat JBoss Fuse**

- Customize Red Hat JBoss Fuse to deploy a secure environment for management.

**Fabric in Red Hat JBoss Fuse**

- Understand enterprise management of Red Hat JBoss Fuse-based integration solutions.

**Developing with Red Hat JBoss Developer Studio**

- Understand the advantages of using Red Hat JBoss Developer Studio with the integration stack to improve developers' productivity.

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