

## Course JB435: Enterprise Service Bus Deployment with Red Hat JBoss Fuse

Length	: 2 Days
Audience(s)	: JBOSS Fuse Administrators and Developers
Delivery Method	: Instructor-led (classroom)

### About this Course

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

### Audience Profile

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

### At Course Completion

After completing this course, students learn how to:

- Red Hat JBoss Fuse architecture
- Fundamental OSGi concepts and usages
- Bundles: structure, tooling, and deployment
- JBoss Fuse command line interface administration and management
- JBoss Fuse security using the Java Authentication and Authorization Service (JAAS)
- Enterprise management via Fabric, using CLI and Hawt.io management interface

### Pre-Requisites

Before attending this course, students must have:

- Java EE application server administration knowledge
- Experience with tools such as Maven or Ant
- Basic Camel knowledge

## Course Outline

### **Module 1: Install and customize Red Hat JBoss Fuse**

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

### **Module 2: Manage Red Hat JBoss Fuse**

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

### **Module 3: Implement OSGi in production**

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

### **Module 4: Understand Fuse Application Bundles**

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

### **Module 5: Manage Red Hat JBoss Fuse in large deployment scenarios**

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

### **Module 6: Implement security in Red Hat JBoss Fuse**

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

### **Module 7: Fabric in Red Hat JBoss Fuse**

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

### **Module 8: 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.