

Module Title : Course JB435: Enterprise Service Bus Deployment with Red Hat JBoss Fuse
Duration : 2 day

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

Course content summary

- 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

Audience

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

Content

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.