

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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JBoss Application Server

INTRODUCTION TO JBOSS

- The Application Server Environment
- Aspects of JBoss
- WildFly and Enterprise Editions
- JBoss Component Tour

INSTALLATING JBOSS

- Installation Options
- Installing Java
- Installing the JBoss Application Server

JAVA ENTERPRISE EDITION ARCHITECTURE

- Java Enterprise Edition (JEE) Applications
- Web Components
- Business Components
- Web Services
- JBoss and Middle Tier Architecture

ADMINISTRATIVE TOOLS

- Using the Command Line Interface (CLI)
- Using the Web Admin Console
- Scripting Tasks with CLI

- JBoss and JMX

CONFIGURATION IN STANDALONE MODE

- Configuring JBoss for Standalone Mode
- The standalone.xml Configuration File
- The Standalone Mode Directory Structure

CONFIGURATION IN DOMAIN MODE

- Configuring JBoss for domain mode
- The domain.xml and host.xml Configuration Files
- Domain Controllers and Host Controllers
- Using Server Groups

MANAGING THE APPLICATION SERVER

- Starting and Stopping JBoss Instances
- Instance Life Cycle in Standalone Mode
- Instance Life Cycle in Domain Mode
- Backup and Recovery Options

WORKING WITH LOGS

- Configuring and Using the Logging Subsystem
- Configuring the Built-in Handlers

DEPLOYING APPLICATIONS

- WAR Files,EAR Files and Deployment Descriptors
- Standalone Mode Deployment
- Domain Mode Deployment
- Server Group Deployment
- Deploying with CLI
- Deploying with Web Admin Console

DEFINING DATASOURCES

- Communicating with databases
- JDBC Drivers
- Defining a Datasource
- Database Connection Pooling

JMS MESSAGING

- Introduction to JMS
- JBoss Messaging
- Configuring Connection Factories, Topics and Queues

WEB TIER CONFIGURATION

- JBoss Web Configuration
- Web Deployment Descriptors
- Web Connectors
- Configuring Apache Servers
- Web Services and JAX-WS

BATCH PROCESSING

- JEE Batch Applications
- The Batch Subsystem
- Configuring Batch Jobs

CLUSTERING

- High Availability Solutions
- JBoss Clustering
- Load Balancing Configuration
- Standalone and Domain Mode Clusters

SECURITY CONSIDERATIONS

- The JBoss Security Model
- Using Login Modules

- Securing Web Applications and JMS Destinations
- Configuring HTTPS Connectors
- Using a Password Vault

PERFORMANCE TUNING

- Performance Issues and Solutions
- Configuring the JVM in Standalone and Domain mode
- Web,JMS and EJB Tuning