Mastertheboss.com
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Mastertheboss
Java EE Training

Upgrading to JBoss AS 7 / WildFly from JBoss 4/5/6 (2 days)

Available on site | Available on line | Available classroom

Learn how to upgrade your older JBoss server and apps in as little as 2 days!

Overview

Upgrading to JBoss AS 7 /WildFly course is a two-day hands-on training that will teach you how to upgrade your existing server configuration from JBoss AS 4/5/6 to JBoss AS 7 or the newest WildFly application server. This course includes the configuration upgrading path and the application migration key points.

JBoss AS 7 has been released in the last quarter of 2011 and is now widely used in the IT Industry thanks to its exceptionally lightweight kernel, unparalleled speed and its compliance to Java EE 6 standards. Recentely the application server has been upgraded and renamed to WildFly 8 offering compliance to Java EE 7 including the best of breed opensource projects. We have been the first team to provide Enterprise training for this product and, with over 50 training classes over the world, we can offer our experience either at your premises or by means of on-line trainings. If you are an individual or have limited numbers of participants, you can consider joining the available classrooms in your favorite Western Europe locations.

Audience & Prerequisites

This course is best suited to software administrators, application developers and architects that want to learn quickly how to upgrade their skills to the latest version of the application server. Prior knowledge of the earlier version (4, 5 or 6) of the application server is obviously required in order to benefit from this training.

What will you learn from in this course

This course will focus on the migration path to follow in order to migrate your configuration and deployments from an earlier version of the application server. At first, we will learn the new application server structure and the core components contained in it. Then we will go through the new management instruments available in AS 7 and WildFly 8. You will then learn how to migrate the core AS services, including EJB container, Datasources, Messaging system, Logging and

Clustering among others. Finally, you will learn which are the mandatory and recommended changes to apply to your applications so that you can avoid common migration pitfalls.

Here is the detailed list of topics that will be covered in the course:

- ➔ Overview of the new application server infrastructure
- ➔ Core Configuration differences and recommended tools for migration.
- ➔ Understanding the AS 7/WildFly Domain
- ➔ Learning to use the new Management instruments (Web Administration Console and Command Line Interface) to configure every component of the application server
- ➔ Upgrading your applications by learning the development and deployment best practices
- ➔ How to migrate your cluster cache to Infinispan. How to upgrade from mod_jk to mod_cluster
- ➔ Securing the application server and encrypting the communication channels

On-site Training

Mastertheboss.com organizes training courses as per requirement of the client at the client's premises subject to minimum and maximum of 5 and 25 participants respectively. Training courses can be delivered all around Europe and in many countries of North America, Middle East, Africa, Asia Pacific and Latin America. The fee for such events will decided on case to case basis mostly depending on the location of the customer. Contact us for a quote.

Classroom Training

Mastertheboss.com organizes classroom training in the most accessible Western Europe locations such as London, Paris, Rome or Amsterdam. Classroom events will be available since April 2014 on EventBrite (https://www.eventbrite.com) and will be advertised on http://www.mastertheboss.com

Online Training

This is a flexible learning solution so that you can study any time, any place. Online courses help you to develop and improve your skills at your own pace. The price of the online training varies according to the number of students.

This is the price for our JBoss AS 7 /WildFly upgrade training:

Course Attendees	Price in Euros (for each student)
2-4	300
5-10	250
11-15	200
16-20	150

Course material

Every course includes a set of materials that will be available to all participants. A course material includes:

- ➔ Software required to run the course
- ➔ Pre/course assistance to meet your training goals
- ➔ Post/course evaluation by means of questionnaires
- ➔ Online assistance for general queries about the course topics for the following 6 months

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Course Outline

Application Server Overview

- Introduction to JBoss AS 7/WildFly 8
- Comparing the server components with the earlier application server
- Configuring the application server as a service

Server Configuration Overview

- Assembling configuration elements into the new server configuration
- Understanding the difference between standalone and domain configuration
- Migration path to standalone mode

Entering the Domain Mode

- The use cases for Domain server configuration
- Understanding the core Domain components
- Setting up a simple and advanced Domain configuration

Management instruments

- From the JMX-Console to the new Admin Web Console
- Creating management/application users
- Learning the basics of the Command Line Interface

Connecting to Databases

- Configuring connections to common RDBMS
- Migrate your Datasource configuration quickly

Logging data

- Understanding the server logging framework
- Migrating your logging configuration

EJB Container configuration

- Configuring EJB container pools for your needs
- Stateful Bean cache configuration
- EJB development and packaging in the new server release

Java Messaging subsystem

- Overview of the HornetQ messaging platform
- JMS resources configuration
- Migrate JMS applications

Clustering

- Learning the core clustering components
- Porting JBoss Cache configurations to Infinispan
- Porting from mod_jk to mod_cluster
- Changes required in clustered applications

Security

- Overview of the core AS 7 Security framework
- Strategies for configuring Security Domains and Security Realms
- Creating custom Login Modules
- Installing server and client certificates to encrypt your connections