

JBoss AS 7 / EAP 6 Administration course (3 days)

Available on site

Available on line

Available classroom

Give a boost to your knowledge by learning the JBoss application server!

Overview

JBoss AS 7 / EAP 6.1 Administration course is a three-day hands-on training that will give you an expert's understanding of every component that makes up the JBoss application server, and will show you how to use them, helping you to cut down the learning curve for this exciting product dramatically.

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. 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 take their knowledge of JBoss AS 7 /EAP 6 to the next level. Prior knowledge of the earlier version of the application server is not required, although that could make easier to understand some core concepts contained in this training.

What will you learn from in this course

This course will guide you through configuration, management, deployment, and advanced administration of JBoss AS 7 guided by our expert and certified instructors so to avoid the common pitfalls of setting up a new AS. At first, we will learn the new application server structure and shows you how to install it. You will then learn how to configure the core AS services, including thread pools, the messaging system, and the transaction service. Finally, you will learn how to deploy and manage your applications through all possible configuration variants, including standalone or domain servers, through a single node or a cluster of application servers and then tune the performance of your AS to achieve an efficient application server.

Mastertheboss.com

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

- ➔ Installing the application server and configuring the environment appropriately
- ➔ Understanding the differences between the Community version and the Enterprise Application Server Platform. Choosing the server version that is most appropriate to you.
- ➔ Understanding the AS 7 architecture: in-depth focus on JBoss modules
- ➔ Using the Management instruments (Web Administration Console and Command Line Interface) to configure every component of the application server
- ➔ Configuring the application server subsystems which are the heart of the application server
- ➔ How to spread the load of your applications across a set of cluster nodes. Achieving high availability of your data
- ➔ 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 be decided on a 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 /EAP 6 remote training:

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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

Course Outline

Environment Setup

- Introduction to JBoss AS 7 and EAP 6.1
- How to install and build the application server from the source
- Configuring the application server as a service
- Introduction to the CLI (user creation)

Server Configuration Overview

- The basics of the server configuration
- Comparing standalone and domain configuration
- In-depth analysis of the 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

- Getting practical with the Admin Web Console
- Learning the basics of the Command Line Interface
- Advanced CLI features

Connecting to Databases

- Configuring connections to common RDBMS
- Connection pool core configuration parameters

Logging data

- Understanding the server logging framework
- How to customize loggings for your requirements

EJB Container configuration

- Configuring EJB container pools for your needs
- Stateful Bean cache configuration

Java Messaging subsystem

- Overview of the HornetQ messaging platform
- JMS resources configuration
- JMS parameters under the hood

Clustering AS7/EAP 6

- Learning the core clustering components
- Using the Infinispan Cache manager to cluster your session data
- Managing Load Balancing with mod_cluster and mod_jk
- Clustering the Messaging subsystem

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