

WildFly 8 Administration course (3 days)

Available on site

Available on line

Available classroom

courses available starting from April 2014

Be the first to learn the WildFly 8 Application server!

Overview

WildFly 8 Administration course is a three-day hands-on training course geared for experienced Java developers/architects/administrators who need to understand how to configure, manage and secure the newest and most advanced application server on the market. Starting from a complete analysis of the new server architecture, the course includes complete coverage of all application server features with special attention for users arriving from an earlier version of the application server.

WildFly 8 is the latest version of the popular open source JBoss application server. It is exceptionally lightweight, featuring unparalleled speed and supporting the latest standards, including Java EE 7. Being in close touch with the application server developers, we have developed an early yet mature expertise on this product and we are confident that we can offer the best preparation for the real-world challenges faced by Java Enterprise projects.

Audience & Prerequisites

This course is best suited to software administrators, application developers and architects that want to take their application server skills 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

Students are taken on an in-depth tour of the basic application server architecture, initially examining the core server modules, and then working with single subsystem that are part of the application server. The new Web server architecture is covered in details as well as the Administration and Management (OA&M) functionality which is a key feature of this server release. In every section covered by this course, a drill down is included to summarize all key aspects

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covered and which are the migration steps to be taken from earlier server releases or other middleware products.

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

- ➔ Application server installation and environment configuration
- ➔ The application server architecture: the big picture
- ➔ How to leverage the Administration Console to configure every component of the application server
- ➔ Learning the basics and the advanced options available in the updated Command Line Interface
- ➔ How to apply patches to your application server
- ➔ Configuring the application server for real-world scenarios
- ➔ Optimal cluster configuration and hardware and network considerations for integrating it in your data center
- ➔ How to secure every aspect of your server configuration

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 WildFly remote training:

Course Attendees	Price in Euros (for each student)
2-4	350
5-10	300
11-15	250
16-20	200

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

- What's new in WildFly application server
- How to install and build the application server
- 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

Undertow Web server

- In-depth analysis of the new Web server
- Undertow configuration key points

Java Messaging subsystem

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

Clustering WildFly

- 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 WildFly Security framework
- Strategies for configuring Security Domains and Security Realms
- Hands-on the Administration and Management (OA&M) functionality
- Installing server and client certificates to encrypt your connections