

# Oracle WebLogic Server 12c: Administration II

Kód kurzu: D80153

This Oracle WebLogic Server 12c: Administration II is a continuation of the Oracle WebLogic Server 12c: Administration I course. It trains you how to perform important WebLogic Server administrative tasks, employing best practices that allow you to make the most of your WebLogic applications. Increase the reliability, availability, scalability, and performance (RASP) of your organization's applications and services with the #1 application server. Take advantage of WebLogic Server features to maximize the effectiveness of your enterprise. This course trains administrators in WebLogic Server administrative tasks related to managing the day to day operations of running applications, including performing rolling upgrades, creating and using domain templates, configuring automatic crash recovery, and creating and running WebLogic Scripting Tool (WLST) scripts. This course trains administrators in WebLogic Server administrative tasks related to real-world management of application deployments, including using deployment modes, creating and using deployment plans, deploying shared libraries, and deploying versioned applications and libraries.

## Čo vás naučíme

- Configure WebLogic features including domain templates, system start up, crash recovery, work managers, multi data sources, security policies, and automatic JTA migration
- Configure Coherence features
- Perform a rolling upgrade of WebLogic Server
- Write and run WLST scripts
- Deploy shared libraries and applications using deployment plans and versioning
- Configure SSL for WebLogic Server

## Požadované vstupné znalosti

- Some system administration experience
- Some experience using basic Linux commands
- Oracle WebLogic Server 12c: Administration I New

## Teaching methods

Expert instruction with practical examples, computer practice

## Oracle Training Formats

Training on Demand, one of the most popular learning formats, allows students to learn whenever they need (24/7, 90 days). These video recorded courses are led by TOP instructors. Other learning formats are traditional in-class training, Live Virtual Class, or Self-Study Courses. Read more [here](#).

## Teaching materials

The student materials include comprehensive courseware and other necessary materials for this class. All reading materials are in English.

## Osnova kurzu

WebLogic Server Review

- WebLogic Server: Overview
- WebLogic Server Domain
- Administration Server and Managed Servers
- Machines, Node Manager, and Clusters
- Start Scripts
- WebLogic Tools: Administration Console and WLST
- Deployment

Upgrading WebLogic Server

- Upgrade definition
- Rolling Upgrade

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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# Oracle WebLogic Server 12c: Administration II

- Rolling Upgrade Process

## Creating and Using Domain Templates

- Domain Template Review
- Domain Template Concepts
- Extension Template Concepts
- Custom Templates

## WebLogic Server Startup and Crash Recovery

- Node Manager Review
- Configure Node Manager to Start on System Boot
- Server Automatic Crash Recovery Restart

## WebLogic Scripting Tool (WLST)

- Jython Concepts
- WLST Concepts
- Java Management eXtension (JMX) Concepts
- Common WLST Tasks
- Fusion Middleware (FMW) Commands

## Secure Sockets Layer (SSL)

- SSL Concepts
- WebLogic SSL Scenarios
- Keystores
- Configuring WebLogic SSL

## Application Staging and Deployment Plans

- Java EE Applications Review
- Server Staging Modes
- Deploying an Application to Multiple Environments
- Java EE Deployment Descriptors and Annotations
- Deployment Plans
- Deployment Plan Tools

## Shared Java EE Libraries

- Shared Java EE Library Concepts
- Deploying a Shared Library

## Production Redeployment

- HTTP Sessions and Redeployment
- Redeployment Strategies
- Production Redeployment
- Application Versioning
- Requirements and Restrictions

## Application Work Managers

- Default WebLogic Request Handling
- Work Manager Concepts
- Creating a Work Manager

## Managing Data Sources

- JDBC Review
- Managing Data Sources
- GridLink Data Source Review
- Multi Data Sources
- Connection Testing Review

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Kodaňská 1441/46  
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[info@gopas.sk](mailto:info@gopas.sk)



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- Creating a Multi Data Source

## Working with the Security Realm

- Security Review
- The Embedded LDAP Authentication and Authorization System
- Configure Auditing

## High Availability, Migration, and Disaster Recovery

- Disaster Recovery
- Backup the Administration Server
- Service-Level Migration
- Automatic JTA Service Migration
- Whole Server Migration Overview

## Diagnostic Framework

- General Architecture
- Diagnostic Images
- Harvesters
- Watches and Notifications

## Coherence

- Coherence Overview
- Coherence\*Web Session Persistence
- Managed Coherence Servers

### **GOPAS Praha**

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