

Oracle WebLogic Server 12c: Administration II

Course code: 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.

What we teach you

- 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

Required skills

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

Metody výuky

Odborný výklad s praktickými ukázkami, cvení na počítaích.

Formáty školení Oracle

Velmi oblíbenou formou školení jsou nahrávané kurzy On Demand zahrnující 90 dn samostudia kdykoliv a kdekoliv s TOP lektorem. Dalšími možnými formáty studia jsou kurzy probíhající přímo v uebn v Poítaové škole Gopas nebo ve spolenosti Oracle, dále formát Live Virtual Class (školení on-line) i Selft-Study (samostudium ve form CD, nebo download). Podrobnější informace k tmtto možnostem studia najdete [zde](#).

Studijní materiály

Elektronické autorizované materiály Oracle v anglickém jazyce.

Course outline

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

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- 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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- 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

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