

Oracle - Oracle Directory Server Enterprise Edition 11g Release 1: Maintenance and Operations

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This Oracle Directory Server Enterprise Edition 11g training will teach you how to perform routine maintenance, control access and monitor and tune servers. You'll also learn to perform other tasks encountered in day-to-day operations of Oracle Directory Server EE 11gR1 (ODSEE).

Learn To:

- Install a new ODSEE environment.
- Configure high availability.
- Configure a new ODSEE environment.
- Maintain an ongoing ODSEE environment.
- Operate an ongoing ODSEE environment.
- Migrate server versions.
- Configure servers for replication.
- Tune performance.
- Perform load balancing.

Skills Gained

- Describe the configuration directory, key files, and common utilities related to ODSEE
- Search and modify directory content
- Describe access, error, and audit log contents and diagnose ldapmodify LDAP Data Interchange Format (LDIF) import errors
- Configure and test Directory Server replication
- Configure high availability and virtualization using Directory Proxy Server
- Describe Directory Server access control and write access control statements
- Use the Directory Server utilities to enforce account and password policies
- Perform directory database backup and restore functions using Directory Server utilities
- Tune Directory Server performance
- Describe and set up failover using Directory Proxy Server
- Describe and setup virtualization using Directory Proxy Server
- Migrate directory data to Directory Server Enterprise Edition 11gR1

Who Can Benefit

- Administrator
- Security Administrators
- Support Engineer
- System Integrator
- Web Administrator

Prerequisites

- Oracle Directory Services 11g: Essential Concepts
- Sun Java System Directory Server EE 6.x Analysis Planning

Course Details

Introduction to Oracle Directory Server Enterprise Edition (ODSEE) 11gR1

- The Directory Information Tree (DIT)
- The DSEE Installation Directory
- The Directory Service Control Center (DSCC)
- The DS and DSCC Commands
- The LDAP Data Interchange Format (LDIF)

Searching and Modifying Directory Content

- The Idapsearch Utility to Search a Directory
- The Idapmodify Utility to Change Directory Content
- Filters

Using Directory Server Log Files

- Directory Server Log Files
- LDAP Result Codes
- Access Logs
- Configuring Logging Options

Securing Directory Server EE Access

- Directory Server Security Methods
- Authentication
- Attribute Encryption
- Access Control
- Default Access Control Instructions (ACIs) Provided with Directory Server
- Special User Access Control
- Access Permissions on Directory Entries

Enforcing Password Policies

- Password Policies
- Server-wide Password Policies

- Multiple Password Policies
- Activate and Deactivate Accounts

Directory Server Security (Certificates)

- The Benefits of Using TLS/SSL
- Steps to Create and Install Self-signed and Certificate Authority-issued Certificates
- Enabling TLS/SSL on the Directory Server using a Self-Signed Certificate
- Command Line Tools to use TLS/SSL

Backing Up and Restoring Directory Server Databases

- Directory Server Databases, Database Files, and Backup and Recovery Utilities
- Back up Directory Server Databases
- Restore Directory Server Databases
- Export a Directory Database to LDIF
- Import a Directory Database from LDIF

Replicating Directory Server Data

- Replication Concepts
- Basic Replication Topologies
- Consumer and Supplier Servers
- Monitoring Replication Status
- Diagnosing and Resolving Multimaster Replication Issues
- Configuration and Schema Replication
- ACI and Password Policy Issues

Tuning Directory Server Performance

- Tuning the Operating System for Optimal Directory Server Performance
- Tuning Read Performance by Managing Indexes and Configuring the nsslapd-allidsthreshold Setting
- Tuning Read Performance by Configuring Cache Sizes and Configuring Search Limit Settings
- Analyzing Indexes and Index Filters
- System Monitoring Tools

Configuring Failover and Load Balancing Using a Directory Proxy Server

- Directory Proxy Concepts
- Directory Proxy Server Features
- Data Sources, Data Source Pools and Data Views

Configuring Virtualization Using a Directory Proxy Server

- Virtual Data Transformations
- LDIF Data Views
- Join Data Views

- JDBC Data Views

Migrating to Oracle Directory Server Enterprise Edition 11gR1

- The Migration Process from Directory Server 5.1 or 5.2 to Directory Server 11gR1
 - Migration Considerations
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