Sun Java System Directory Server EE 6.x Analysis and Planning

Duration: 4 Days

What you will learn

This Sun Java System Directory Server Enterprise Edition: Analysis and Planning course teaches you the technical knowledge and skills to design a Lightweight Directory Access Protocol (LDAP) directory service solution. This course introduces the LDAP Directory Services Analysis and Planning (DSAP) process, a design methodology for designing and documenting an LDAP directory service deploying multiple Sun Java System Directory Servers.

Learn To:

- Describe the process of planning your directory data.
- Document directory application fields.
- Match directory data store fields to the default schema.
- Plan your directory tree.
- Describe the process of creating a database topology.
- Apply this methodology to a business case study, focusing on planning and design (not on operation issues.)
- Create a replication strategy.
- Solidify your skills through optional, hands-on lab exercises.

Live Virtual Class Format

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Audience
Architect
Developer

Related Training

Required Prerequisites

- Perform basic UNIX tasks and understand basic UNIX commands
- Describe LDAP services at a high level
- Describe features of the Sun Java System Directory Server Enterprise Edition 6 (Directory Server)
- Install Directory Server
Course Objectives
Design a topology and replication strategy

Describe the LDAP Directory Services Analysis and Planning (DSAP) process

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Develop an LDAP directory schema

Design an LDAP directory tree hierarchy

Create directory access control rules

Select indexes to support the design

Describe the steps to build a test environment

Course Topics

**Overview of the Directory Services Analysis and Planning Process**

Describe the Directory Services Analysis and Planning (DSAP) process

Describe basic Lightweight Directory Access Protocol (LDAP) concepts and terminology

**Planning Your Directory Data**

Describe the process of planning your directory data

Identify directory applications

Identify directory data stores

Document directory application fields

Document directory data store fields

**Planning Your Directory Schema**

Describe the process of planning your directory schema

Describe basic LDAP and Directory Server schema concepts

Match directory application fields to the default schema

Match directory data store fields to the default schema

Extend the default schema for non-matching fields

Identify authoritative sources for each field

Identify processes and procedures that need to change

**Planning Your Directory Tree**

Describe the process of planning your directory tree

Describe the components and functions of an LDAP directory tree hierarchy

Select a Directory Server root suffix

Select branch points

Create sample entries

Select unique RDNs

Group entries for administration

**Creating a Database Topology**

Describe the process of creating a database topology
Create a network directory map
Identify local master requirements
Partition your directory tree
Map databases to multiple locations

Creating a Database Distribution Strategy
Describe the process of creating a database distribution strategy
Identify database distribution options
Identify general distribution paths
Identify replication paths
Identify chaining paths
Identify referral paths

Creating a Replication Strategy
Describe the process of creating a replication strategy
Describe general strategies for write failover, read failover, and load balancing
Create multiple masters for write failover
Create hub replicas for improved performance and availability
Create consumer replicas for load balancing

Planning Your Security Policies
Describe the process of planning your security policies
Describe the Directory Server security methods
Define general user access control security policies
Define special user access control security policies
Define password policies
Define encrypted attributes
Create access control instruction (ACI) statements to support your security policies

Planning Your Indexing Strategy
Describe the process of planning your indexing strategy
Describe the default Directory Server indexes
Identify index types based on application search filters
Select attributes to index and identify index types
Define an indexing strategy for each database

Evaluating Your Plan
Describe the process of evaluating your plan
List the steps to build a test environment
Describe the phases of testing your design