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Introduction

In this course you learn how to design and implement Novell® eDirectory™ trees and related components in different types of organizations with different types of network operating systems.

You work with OES NetWare®, OES Linux®, and Windows 2003 Servers using Novell eDirectory.

You also learn how to design and implement Novell eDirectory trees for e-business.

Audience

As a student of this course, you should

- Have a basic knowledge of the following eDirectory concepts and components:
 - eDirectory tree structure and object classes
 - Partitioning and replication
 - eDirectory rights and inheritance
 - eDirectory management tools (ConsoleOne, iMonitor, iManager)
- Have experience working with network operating systems (NetWare 6 or later; Windows 2000 Server/Advanced Server, Windows Server 2003; OES Linux or SLES 9 Linux)
- Be fulfilling current CNE 6 or CNI 6 certification requirements
- Be seeking eDirectory knowledge and experience to improve your design and implementation skills

Prerequisites

You should have an understanding of the following (or have equivalent experience):

- CompTIA Network+ (Course 3003 v1 or 3003 v2)
- Novell Courses
 - Foundations of Novell Networking (Course 3016)
 - Novell Network Management (Course 3042)
 - Additionally, Fundamentals of Novell eDirectory (Course 3017) can be used to meet the prerequisite knowledge for this course

Certification Tests

This course helps you prepare for the following:

- CNE 050-695
- CNI 050-895

Arrange to take the certification test for this course within six weeks of acquiring the course materials. Thereafter, the test can be replaced by one based on an updated version of the course.

Agenda

This is a 3-day course.

	Section	Duration (hrs:mins)
Day 1	<i>Introduction</i>	<i>00:30</i>
	<i>SECTION 1: Identify eDirectory Tree Design Basics</i>	<i>02:00</i>
	<i>SECTION 2: Design and Implement an eDirectory Tree Structure</i>	<i>04:00</i>
Day 2	<i>SECTION 3: Plan the User Environment</i>	<i>02:30</i>
	<i>SECTION 4: Determine a Partition and Replica Strategy</i>	<i>04:00</i>
Day 3	<i>SECTION 5: Design and Implement Service Location Protocol and Time Synchronization</i>	<i>03:30</i>
	<i>SECTION 6: Validate Your eDirectory Design and Migrate Data Between LDAP Servers</i>	<i>03:00</i>

The Importance of Effective Directory Design

eDirectory acts as a network's operating information infrastructure, providing a central store of data that allows a network to function securely and effectively. Virtually every network service relies in some way on eDirectory.

Although the robustness of eDirectory allows networks to perform well even with poorly designed implementations, poorly designed eDirectory implementations hurt network performance, reduce manageability, and impede access to network resources.

In this course you gain the knowledge and skills you need to design an effective Directory structure. You then plan and implement an eDirectory tree and evaluate its implementation.

The Benefits of a Successful eDirectory Implementation

A successful eDirectory implementation provides the following benefits:

- Allows users to have an efficient, predictable structure, supporting easy location of and access to network services
- Allows network administrators to easily name, locate, and manage network resources
- Permits network administrators to easily secure network resources and prevent access by unauthorized users
- Supports rapid network performance for all users
- Provides a high degree of fault tolerance to minimize the impact of network equipment failure
- Supports scaling to any size directory and schema flexibility
- Allows directories to work with disparate directories
- Allows users to access resources with a single login

Effective eDirectory designs tend to be the result of plans designed to achieve predetermined objectives.