

# Windows 2000 Directory Services Design



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**4 Sessions –**

12 Hours of Interactive Training

LearnKey's Windows 2000 Directory Services Design course will give you the essential knowledge and skills to design a directory services infrastructure for Windows 2000. At the conclusion of this course you will understand how to evaluate an organization's information technology needs, then design an active directory infrastructure to accommodate those needs, as well as be prepared to pass exam #70-219.

### Also Available:

- Study Guide
- Test Prep

### About The Author

**Aaron Spurlock** is an MCSE+I, MCT, CNE and CNI. He has consulted and trained on networks and computing for the past 15 years with Lucent Technologies, Mastering Computers, Scientific-Atlanta and the Florida Marlins, among others. He currently owns Technovation Design in Ogden, Utah, specializing in Windows 2000 and NetWare 5 consulting as well as home and corporate automation technologies.

### Session 1

- Section A: Introduction
- What is Active Directory?
  - Domain Structure
  - Active Directory Benefits
  - Active Directory Components
  - Operations Master

- Section B: Active Directory Design Strategy
- Why Design?
  - Active Directory Architect
  - Design Process

- Section C: Business Analysis
- Analyze Organization
  - Security Needs

- Section D: Technical Analysis
- IT Management
  - Evaluate Environment
  - Desktop Management
  - Analyze Impact

- Section E: Data Gathering
- United Space Systems
  - USS IT Functions
  - USS Interviews
  - USS Network Map
  - USS Network Servers

- Section F: Planning Active Directory Names
- Strategy
  - Namespace Options
  - Other Names

### Session 2

- Section A: DNS Server Strategy
- Plan DNS
  - DNS in Active Directory
  - DNS Servers
  - Other Services

- Section B: Directory Services Architecture
- Directory Design
  - Single Domain
  - Using a Tree
  - Building a Tree
  - Active Directory Tree
  - Using a Forest
  - Active Directory Forest

- Section C: Active Directory Resource Access
- Forest Resources
  - Trusts
  - Kerberos
  - Authorization
  - Shortcut Trusts

- Section D: Active Directory Delegation
- Delegation Options
  - Business Factors
  - Design Structure
  - Location Design
  - Organizational Design
  - Decentralization
  - OU Structure
  - Admins Group
  - Delegate Control

- Section E: Active Directory Permissions
- Ownership
  - Specific Permissions
  - Wizard vs. Manual
  - Scope of Permissions
  - Site Level
  - Best Practices
- Section F: Group Policy
- Business Factors
  - Creating Group Policy
  - Configuration Options
  - Change Policy
  - Linking Policy

### Session 3

- Section A: Applying Group Policy
- GPO Types
  - Site Level GPO
  - Domain Level GPO
  - OU Level GPO
  - Design Guidelines
  - Group Policy Performance
  - Optimizing Performance

- Section B: Group Policy Delegation
- GPO Control
  - Group Policy MMC
  - Blocking & Filtering
  - Delegating Control

- Section C: Organizational Units
- OU Strategy
  - Upper Level OUs
  - Lower Level OUs
  - OUs with a Purpose
  - Designing Security Groups

- Section D: Directory Services Coexistence
- NetWare Interoperability

- Section E: Site Topology
- Design Site Structure
  - Site Links
  - USS Network
  - Creating a New Site
  - Creating Subnets
  - Inter-Site Transports
  - Default Sites

- Section F: Active Directory Replication
- Inter-Site Replication
  - Bridgeheads
  - Between Domains

### Session 4

- Section A: Active Directory Schema
- Defining Schema
  - Schema Modification
  - Classes
  - Modification Issues
  - Schema Policy

- Section B: Flexible Single Master Operations
- FSMO Roles
  - Placement & Operations Grouping
  - Moving Roles

- Section C: Designing Service Locations
- Domain Controllers
  - Global Catalog Servers
  - Sites & Servers
  - DNS Servers

- Section D: Active Directory Implementation Plan
- NT Upgrade

- Section E: Migration to Active Directory
- Plan Migration
  - Clone Principle
  - Account Domains
  - Migrating Accounts & Resources