

## Windows Server 2003 Active Directory Infrastructure

5 Sessions –

15 Hours of Interactive On Line Training

The Windows Server 2003 Active Directory Infrastructure course from ExamForce prepares you with the knowledge and skills needed to plan, implement, and maintain a Windows Server 2003 Active Directory Infrastructure. Expert instructor Dale Brice-Nash demonstrates how to set up and maintain Active Directory structure and topology, and how to plan and implement user, computer, and group security. At the conclusion of the course, you will understand the skills required to manage and maintain an Active Directory infrastructure within a Windows Server 2003 environment, and be prepared to pass MCP exam 70-294.

### Benefits

- ExamForce certification courses meet or exceed exam objectives.
- You will build on current abilities and be prepared to pass the MCP exam 70-294.
- Increase your career opportunities and earning potential.

### Session 1

#### Section A: AD Introduction

- Overview
- Objectives
- Overview Continued

#### Section B: AD Foundations & CIA Model

- Foundations Overview
- Active Directory
- Directory Service in AD
- Directory Service Char.
- AD Interoperability
- CIA Model
- CIA Responsibility

#### Section C: Logical & Physical Components

- AD Definitions
- Logical Components
- More Logical Component
- Logical Structure
- Physical Components
- Physical Structure

#### Section D: FSMO Roles of AD

- Master Roles Overview
- Understanding Schema
- Schema Master
- Schema Master Seizure
- Viewing Schema
- Schema User Class
- New User Attributes
- Role Transition

#### Section E: Additional FSMO Roles of AD

- Domain Naming Master
- Domain Naming Seizure
- Domain Specific Masters
- Domain Naming Controls
- Domain Specific Controls
- Infrastructure Roles

#### Section F: Uniqueness Rules & Global Catalog

- Uniqueness Rules
- Global Catalog
- Distinguished Name
- Relative Name
- Domain & Forest Summary

#### Section G: Administrative Tools

#### Section B: DNS Zone Types

- Zone Types Overview
- Primary & Secondary
- Zone Transfers
- Stub Zone vs. Secondary
- Delegation & Integration
- Excumination & Identification
- Zone Identification
- Create & Integrate

#### Section C: Installation Requirements

- Domains & Forests
- Checklist
- Preparation
- Operating Systems
- Information Required

#### Section D: Installation Process

- Installation of AD
- Installation Upgrade
- ADPREP Forest
- ADPREP Domain
- Installation Specifics
- Installation Decisions

#### Section E: AD Replica

- Add a Replica
- IFM
- IFM Rules
- Adding a Replica

#### Section F: Validate Installation

- Validate Process
- Validate Tools
- Validate Steps
- Validation
- SYSVOL & SRV Records

#### Section G: Post Installation Process

- Post Checklist
- Zone Integration
- New Group Policy
- SMB Signing Policy

### Session 3

#### Section A: Forest & Domain Levels

- Forest Functional Levels
- Domain Functional Levels
- Enhancements

#### Section D: OU Delegation

- Delegation of Control
- Security & Permissions

#### Section E: Implementing Users & Groups

- Implementing Concepts
- SID, RID, & GUID
- SIDHistory
- SIDHistory Tool
- Exploring SID & RID

#### Section F: User Acct & Group Types

- Account Types
- Group Types & Scopes
- Group Scopes
- Universal Groups
- Enterprise Model
- Single Domain Forest
- Creating & Managing
- User Admin Tools

### Session 4

#### Section A: UPN & Password Policies

- UPN Suffixes
- Alternate UPN
- Password Strategies
- Securing Auth
- Password & Auth

#### Section B: Group Policy Objects in AD

- GPO Settings
- GPO Concepts
- GPO Application
- GPO Planning

#### Section C: Create, Configure, & Manage GPOs

- Exploring GPO's
- User Settings

#### Section D: Tools & Delegating GPO

- GPO Tools
- Using GPO Tools
- Delegate Control
- Validate & Test

#### Section E: Software Deployment with GPOs

- Windows Installer

- Create New User Object
- New User Password
- Change New User Object
- Windows Support Tools
- ADSI Edit
- NetBIOS Commands

## Session 2

### Section A: DNS Concepts

- Installation Overview
- AD Authentication
- DNS Components
- DNS & AD
- DNS Structure
- DNS Namespace
- DNS Types
- DNS Queries

### Section H:

- Intrasite & Intersite in AD
- Sites in AD
- Intrasite
- Intersite
- Intersite Replication
- Create Site
- Intrasite Replication

## Session 5

### Section A: Security Settings

- GPO Editor
- Smart Card Auth
- User Certificates
- IP Security Policies
- Local Group Policy

### Section B: Highly Available DNS

- DNS Role
- DNS in AD
- Global Catalog Servers
- Enable Global Catalog
- Universal Group Caching
- DC Best
- Capacity Planning

### Section C: FSMO Rules

- Schema & Domain Naming
- PDC Emulator & RID
- Infrastructure Master
- Transfer Roles
- Seizing Roles
- ntdsutil

### Section D: Backup, Analysis, & Monitor

- NTBackup
- Backing up AD
- Restoring AD
- Restore Process
- Replication Tools
- Performance Analysis
- Replication Monitor

### Section E: Directory Serv Models & Bus Req

- Directory Serv Models
- Project Life Cycle
- AD Project Documents
- Resources

- Raising

### Section B: Trust & Decommissioning a DC

- Trust Relationships
- Relationship Types
- Create a Trust
- Trust Direction
- Trust Password
- Complete Trust
- Decommissioning Steps

### Section C: Organizational Unit Structure

- OU Overview
- OU's Role in AD
- OU Phases
- OU Hierarchy
- Organizational Factors
- Guidelines
- Creating OU's
- Using DS add

- Software Life Cycle
- Deployment Process
- Assignment vs. Publishing
- Deployment

### Section F: Software Management & Removal with GPOs

- Management Overview
- Management Options
- Removing Software

### Section G: Replication in AD

- Sites & Replication
- Replication Notification
- Update Notification
- Replication Process
- Replication Conflicts