



M8uk Ltd.

Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Course Format: Instructor-led Classroom Learning **Duration:** 5 Days

Overview:

This course provides IT professionals the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft® Windows® Server 2003 Active Directory® directory service infrastructure.

Prerequisites:

Before attending this course, students must have:

- Working experience of at least 1 year administering Microsoft Operating Systems (9.x/2000/XP)
- A strong familiarity with Microsoft Windows® 2000 core technologies, Windows 2000 Professional and Server, Windows XP Pro
- TCP/IP Fundamentals and Subnetting.
- Working experience of at least 2 year administering Microsoft Server Operating Systems (NT4.0/2000/2003)
- A strong familiarity with Microsoft Windows® 2003 core technologies, Windows 2000 Professional and Server, Windows XP Pro

Outline:

Lesson 1: Introduction to Active Directory Infrastructure

The Architecture of Active Directory
How Active Directory Works
Examining Active Directory
The Active Directory Design, Planning, and Implementation Processes

Lesson 2: Implementing an Active Directory Forest and Domain Structure

Creating a Forest and Domain Structure
Examining and Configuring Active Directory Integrated DNS
Raising Forest and Domain Functional Levels
Creating Trust Relationships
Securing Trusts Using SID Filtering

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Lesson 3: Implementing an Organizational Unit Structure

Managing Organizational Units
Delegating Administrative Control for Organizational Units
Planning an Organizational Unit Strategy

Lesson 4: Implementing User, Group, and Computer Accounts

Introduction to Accounts
Creating and Managing Multiple Accounts
Implementing User Principal Name Suffixes
Moving Objects in Active Directory
Planning an Account Strategy
Planning an Active Directory Audit Strategy

Lesson 5: Implementing Group Policy

Creating and Configuring Group Policy objects (GPOs)
Configuring When Group Policy Is Applied
Managing GPOs
Verifying and Troubleshooting Group Policy
Delegating Administrative Control of Group Policy
Planning a Group Policy Strategy for the Enterprise

Lesson 6: Deploying and Managing Software by Using Group Policy

Introduction to Managing Software Deployment
Deploying Software
Configuring Software Deployment
Maintaining Deployed Software
Troubleshooting Software Deployment
Planning a Software Deployment Strategy

Lesson 7: Implementing Sites to Manage Active Directory Replication

Introduction to Active Directory Replication
Creating and Configuring Sites
Managing Site Topology
Troubleshooting Replication Failures
Planning a Site

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Lesson 8: Implementing Placement of Domain Controllers

Implementing the Global Catalog in Active Directory
Determining the Placement of Domain Controllers in Active Directory
Planning the Placement of Domain Controllers

Lesson 9: Managing Operations Masters

Introduction to Operation Master Roles
Transferring and Seizing Operations Master Roles
Planning the Placement of Operations Masters

Lesson 10: Maintaining Active Directory Availability

Introduction to Maintaining Active Directory
Moving and Defragmenting the Active Directory Database
Backing Up Active Directory
Restoring Active Directory
Planning for Monitoring Active Directory

Lesson 11: Planning and Implementing an Active Directory Infrastructure

Creating the Active Directory Implementation Plan
Implementing the Active Directory Infrastructure