

ET 131

Managing and Maintaining Microsoft Windows Server 2008 Environment

Course Description

This five-day instructor-led course provides students with the knowledge and skills to configure a Windows Server 2008 environment. Students will learn to implement and configure secure network access and implement fault tolerant storage technologies. Students will gain an understanding of the network technologies most commonly used with Windows Server 2008 and IP-enabled networks. Students will also learn how to secure servers and maintain update compliance.

Course Level

Intermediate—Advanced

Who should attend?

This course is intended for Active Directory technology specialists aspiring to be Enterprise Administrators or Network Administrators and for Storage Area Network Administrators who need to understand this information to deploy or extend their current storage infrastructure. Operations Managers who need this information to support troubleshooting efforts and business decisions would also benefit from this course.

Pre-requisites

- Working experience with Windows Server 2003.
- Basic knowledge of Active Directory.
- An understanding of security concepts and methodologies (for example, corporate policies).

Course Objectives

- Install and configure servers.
- Install, configure, and troubleshoot the Network Policy Server Role service.
- Configure and manage Distributed File System.
- Configure and manage storage technologies.
- Configure availability of network resources and content.
- Configure server security compliance.

Course Durations

30 Hours

Course Outline

Module 1: Installing and Configuring Servers

- Installing Windows Server 2008
- Managing Server Roles and Features
- Overview of the Server Core Installation Option

Module 2: Introduction to Active Directory Services

- Overview of Active Directory Domain Services (AD DS)
- Overview of AD DS Logical Components

Module 3: Creating User and Computer Objects

- Managing User Accounts
- Creating Computer Accounts
- Using Queries to Locate Objects in AD DS

Module 4: Creating Active Directory Services Groups and Organizational Units

- Introduction to AD DS Groups
- Managing Group Accounts
- Creating Organizational Units

Module 5: Managing Access to Resources

- Managing Access Overview
- Assigning Permissions to Shared Resources
- Managing NTFS File and Folder Permissions
- Determining Effective Permission

Module 6: Configuring and Managing Storage Technologies

- Overview of Windows Server 2008 Storage Management
- Managing Storage Using File Server Resource Manager
- Configuring Quota Management
- Implementing File Screening
- Managing Storage Reports

Module 7: Configuring and Managing Distributed File System (DFS)

- DFS Overview
- Configuring DFS Namespaces
- Configuring DFS Replication

Module 8: Configuring Availability of Network Resources and Content

- Backing Up Data
- Configuring Shadow Copies

Module 9: Configuring Print Resources and Printing Pools

- Printing Overview
- Configuring Network Printers
 - Using Print Management
 - Managing Printers
 - Troubleshooting Network Printing

Module 10: Preparing to Administer a Server

- Windows Server 2008 Administrative Tools
- Monitoring Performance
- Monitoring Events
- Using Remote Desktop for Administration
- Configuring Security for Server Administration

Module 11: Configuring Server Security Compliance

- Securing a Windows Infrastructure
- Using Security Templates to Secure Servers
- Configuring an Audit Policy
- Overview of Windows Server Update Services
- Managing WSUS

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