

**ET 135**

# Planning, Administering and Designing a Windows Server 2008 Servers and Enterprise Administrator

## Course Description

This five-day instructor-led course provides students with the knowledge and skills to implement, monitor, and maintain Windows Server 2008 servers. Students will learn how to design a Windows Server 2008 Network Infrastructure, how to design Active Directory forests, domain infrastructure, sites and replication, administrative structures, group policies, and Public Key Infrastructures. Students will also learn how to design for security, high availability, disaster recovery, and migrations. Including how to design application infrastructure solutions based on Windows Server 2008 to meet varying business and technical requirements.

## Course Level

Advanced

## Pre-requisites

- Before attending this course, students must have technical knowledge equivalent to the following course: ET 131,ET 132,ET 133 and ET 134
- A strong familiarity with Windows deployment technologies and implementation.
- A strong familiarity with Windows networking technologies and implementation.
- A strong familiarity with Active Directory directory service technologies and implementation.

## Course Objectives

- Planning for Server Deployment
- Planning for Server Management
- Monitoring and Maintaining Servers
- Planning Application and Data Provisioning
- Planning for Business Continuity and High Availability
- Planning Network and Application Services
- Designing Core Identity and Access Management Components
- Designing Support Identity and Access Management Components
- Designing for Business Continuity and Data Availability

## Course Durations

30 Hours

## Course Outline

### Module 1: Planning Name Resolution and Internet Protocol Addressing

- Planning Name Resolution
- Planning Internet Protocol Addressing

### Module 2: Designing Active Directory Domain Services

- Designing AD DS Forests and Domains
- Designing the AD DS Physical Topology

### Module 3: Planning Migrations, Trusts, and Interoperability

- Planning for Migration, Upgrade and Restructure
- Planning for Interoperability

### Module 4: Designing Active Directory Administration and Group Policy Strategy

- Designing the Active Directory Administrative Model
- Designing Enterprise-Level Group Policy Strategy

### Module 5: Designing a Network Access Strategy

- Perimeter Networks and Remote Access Strategies
- Network Access Policy and Server and Domain Isolation

### Module 6: Design a Branch Office Deployment

- Branch Office Deployment
- Branch Office Server Security

### Module 7: Planning Terminal Services and Application Deployment

- Planning a Terminal Services Deployment
- Planning Application Deployment

### Module 8: Server and Application Virtualization

- Planning Operating System Virtualization
- Planning Application Virtualization

### Module 9: Planning and Designing a Public Key Infrastructure

- Identifying PKI Requirements
- Designing the CA Hierarchy
- Creating a Certificate Management Plan

### Module 10: Designing Solutions for Data Sharing, Data Security and Business Continuity

- Planning for Data Sharing and Collaboration
- Choosing Data Security Solutions
- Planning for System Recoverability and Availability

### Module 11: Designing Software Update Infrastructure and Managing Compliance

- Designing a Software Update Infrastructure
- Managing Software Update Compliance

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