

Course Title: SSM 6425 Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services

Duration: 5 Days

Course Outline

Module 1: Implementing Active Directory Domain Services

This module explains how to install and configure Active Directory Domain Services and install and configure a read-only domain controller.

Lessons

- Installing Active Directory Domain Services
- Deploying Read-Only Domain Controllers
- Configuring AD DS Domain Controller Roles

Lab : Implementing ReadOnly Domain Controllers

- Evaluating Forest and Server Readiness for Installing an RODC
- Installing and Configuring an RODC
- Configuring AD DS Domain Controller Roles

After completing this module, students will be able to:

- Install Active Directory Domain Services.
- Deploy Read-Only Domain Controllers.
- Configure AD DS Domain Controller Roles.

This module explains how to configure Domain Name Services (DNS) for Active Directory Domain Services.

Lessons

- Overview of Active Directory Domain Services and DNS Integration
- Configuring Active Directory Integrated Zones
- Configuring Read Only DNS Zones
- Configuring Active Directory Integrated Zones
- Configuring Read-Only DNS Zones

After completing this module, students will be able to:

- Describe Active Directory Domain Services and DNS integration.
- Configure Active Directory Integrated Zones.
- Configure read only DNS zones.

Module 3: Configuring Active Directory Objects and Trusts

This module explains how to configure Active Directory Objects and Trusts.

Lessons

- Configuring Active Directory Objects

- Strategies for Using Groups
- Automating AD DS Object Management
- Delegating Administrative Access to AD DS Objects
- Configuring AD DS Trusts

Lab : Configuring Active Directory Objects

- Configuring AD DS Objects
- Implementing an AD DS Group Strategy
- Automating the Management of AD DS Objects

Lab : Configuring AD DS and DNS Integration

Lab : Configuring Active Directory Objects and Trusts

- Delegating Control of AD DS Objects
- Configuring AD DS Trusts
- Configure Active Directory Objects.
- Describe strategies for using groups.
- Automate AD DS object management.
- Delegate Administrative access to AD DS objects.
- Configure AD DS trusts.

Module 4: Configuring Active Directory Sites and Replication

This module explains how to configure Active Directory sites and replication.

Lessons

- Overview of AD DS Replication
- Overview of AD DS Sites and Replication
- Configuring and Monitoring AD DS Replication

Lab : Configuring Active Directory Sites and Replication

- Configuring AD DS Sites and Subnets
- Configuring AD DS Replication
- Monitoring AD DS Replication

After completing this module, students will be able to:

- Describe AD DS replication.
- Configure Active Directory Domain Services sites.
- Configure and monitor AD DS replication.

Module 5: Creating and Configuring Group Policy

This module explains how to create and configure Group Policy.

Lessons

- Overview of Group Policy
- Configuring the Scope of Group Policy Objects
- Evaluating the Application of Group Policy Objects
- Managing Group Policy Objects
- Delegating Administrative Control of Group Policy
- Creating Group Policy Objects
- Managing the Scope of GPO Application
- Verifying GPO Application

- Managing GPOs
- Delegating Administrative Control of GPOs

Lab : Creating and Configuring GPOs

After completing this module, students will be able to:

- Describe Group Policy.
- Configure the scope of Group Policy objects.
- Evaluate the application of Group Policy objects.
- Manage Group Policy objects.
- Delegate administrative control of Group Policies.

Module 6: Configuring User Environments Using Group Policy

This module explains how to configure user environments using Group Policy.

Lessons

- Configuring Group Policy Settings
- Configuring Scripts and Folder Redirection Using Group Policies
- Configuring Administrative Templates
- Group Policy Preferences
- Deploying Software Using Group Policy

Lab : Lab Configuring User Environments Using Group Policies

- Configuring Scripts and Folder Redirection
- Configuring Administrative Templates
- Configuring Preferences
- Verifying GPO Application

After completing this module, students will be able to:

- Configure Group Policy settings.
- Configure scripts and folder redirection using Group Policy.
- Configure administrative templates.
- Describe Group Policy preferences.
- Deploy software using Group Policy.

This module explains how to implement security using Group Policy.

Lessons

- Configuring Security Policies
- Implementing Fine-Grained Password Policies
- Restricting Group Membership and Access to Software
- Managing Security Using Security Templates

Lab : Implementing Security Using Group Policies

- Configuring Account and Security Policy Settings
- Implementing Fine-Grained Password Policies
- Configuring Restricted Groups and Software Restriction Policies
- Configuring Security Templates

- Verifying the Security Configuration

After completing this module, students will be able to:

- Configure security settings.
- Implement fine-grained password policies.
- Restrict group membership and access to software.

- Manage security using security templates.

Module 8: Implementing an Active Directory Domain Services Monitoring Plan

This module explains how to implement Active Directory Domain Services monitoring plan.

Lessons

- Monitoring AD DS Using Event Viewer
- Monitoring Active Directory Domain Servers Using Reliability and Performance Monitor
- Configuring AD DS Auditing

Lab : Monitoring Active Directory Domain Services

- Monitoring AD DS Using Event Viewer
- Monitoring AD DS Using Performance and Reliability Monitor
- Configuring AD DS Auditing
- Monitor Active Directory Domain Services using Event Viewer.
- Monitor Active Directory Domain servers using reliability and performance monitor.
- Configure Active Directory Domain Services Auditing.

After completing this module, students will be able to:

This module explains how to implement an Active Directory Domain Services maintenance plan.

Lessons

- Maintaining the AD DS Domain Controllers
- Backing Up Active Directory Domain Services
- Restoring Active Directory Domain Services

Lab : Implementing an Active Directory Domain Services Maintenance Plan

- Maintaining AD DS Domain Controllers
- Backing Up AD DS
- Performing an Authoritative Restore of the AD DS Database
- Restoring Data Using the AD DS Snapshot Viewer

After completing this module, students will be able to:

- Maintain the AD DS Domain Controllers.
- Back up the Active Directory Domain Services.
- Restore the Active Directory Domain Services.

Module 9: Implementing an Active Directory Domain Services Maintenance Plan

Lab : Troubleshooting Active Directory, DNS, and Replication Issues

- Troubleshooting Authentication and Authorization Errors
- Troubleshooting the Integration of DNS and AD DS
- Troubleshooting AD DS Replication
- Troubleshoot Active Directory Domain Services.
- Troubleshoot DNS integration with AD DS.
- Troubleshoot AD DS replication.

Module 10: Troubleshooting Active Directory, DNS, and Replication Issues

This module explains how to troubleshoot Active Directory Domain Services, Domain Name Service, and Active Directory replication.

Lessons

- Troubleshoot Active Directory Domain Services.
- Troubleshoot DNS integration with AD DS.
- Troubleshoot AD DS replication.

Module 11: Troubleshooting Group Policy Issues

This module explains how to troubleshoot the application of Group Policy objects.

Lessons

- Introduction to Group Policy Troubleshooting
- Troubleshooting Group Policy Application
- Troubleshooting Group Policy Settings

Lab: Troubleshooting Group Policy Issues

- Troubleshooting Group Policy Scripts
- Troubleshooting GPO Lab11B
- Troubleshooting GPO Lab11C
- Troubleshooting GPO Lab11D

After completing this module, students will be able to:

- Describe Group Policy troubleshooting.
- Troubleshoot Group Policy application.
- Troubleshoot Group Policy Settings.

Module 12: Implementing an Active Directory Domain Services Infrastructure

This module explains how to implement an Active Directory Domain Services Infrastructure.

Lessons

- Overview of the AD DS Deployment
- Planning a Group Policy Strategy

Lab: Deploying Active Directory Domain Services