

Course 20411D: Administering Windows Server® 2012
Exam Code: 70-411

Course Outline

Module 1: Configuring and Troubleshooting Domain Name System

This module explains how to configure and troubleshoot DNS, including DNS replication and caching.

Lessons

Configuring the DNS Server Role
Configuring DNS Zones
Configuring DNS Zone Transfers
Managing and Troubleshooting DNS

Lab : Configuring and Troubleshooting DNS

Module 2: Maintaining Active Directory Domain Services

This module explains how to implement virtualized domain controllers and read-only domain controller (RODCs). It also explains how to perform common AD DS administrative tasks and manage the AD DS Database.

Lessons

Overview of AD DS
Implementing Virtualized Domain Controllers
Implementing RODCs
Administering AD DS
Managing the AD DS Database

Lab : Maintaining AD DS

Module 3: Managing User and Service Accounts

This module explains how to create, configure and automate the creation of user accounts. It also explains how to configure account-related properties of user objects. It further explains how to create and administer Managed Service Accounts.

Lessons

Configuring Password Policy and User Account Lockout Settings
Configuring Managed Service Accounts

Lab : Managing User and Service Accounts

Module 4: Implementing a Group Policy Infrastructure

This module explains how to implement a GPO infrastructure. This also teaches how to perform common GPO management tasks, and manage GPOs by using Windows PowerShell. It also focuses on troubleshooting the application of GPOs.

Lessons

Introducing Group Policy
Implementing and Administering GPOs
Group Policy Scope and Group Policy Processing
Troubleshooting the Application of GPOs

Lab : Implementing a Group Policy Infrastructure

Module 5: Managing User Desktops with Group Policy

This module explains how you can use Group Policy Objects (GPOs) to implement desktop environments across your organization by using Administrative Templates, Folder Redirection, Group Policy preferences, and where applicable, use software deployment to install and update application programs. It is important to know how to use these various GPO features so that you can configure your users' computer settings properly.

Lessons

- Implementing Administrative Templates
- Configuring Folder Redirection and Scripts
- Configuring Group Policy Preferences
- Managing Software with Group Policy

Lab : Managing User Desktops with Group Policy

Module 6: Installing, Configuring, and Troubleshooting the Network Policy Server Role

This module explains how to install and configure NPS, RADIUS Clients and servers. It also describes NPS authentication methods. It describe NPS authentication methods and how to monitor and troubleshoot NPS.

Lessons

- Installing and Configuring a Network Policy Server
- Configuring RADIUS Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a Network Policy Server

Lab : Installing and Configuring a Network Policy Server

Module 7: Implementing Network Access Protection

This module explains how to configure, monitor, and troubleshoot NAP. It also explains how NAP can help to protect your network and the various NAP enforcement processes.

Lessons

- Overview of Network Access Protection
- Overview of NAP Enforcement Processes
- Configuring NAP
- Configuring IPSec Enforcement for NAP
- Monitoring and Troubleshooting NAP

Lab : Implementing Network Access Protection

Module 8: Implementing Remote Access

In this module, you will learn how to implement and manage remote access in Windows Server 2012. You will also learn how to implement DirectAccess by using the Getting Started wizard, implement and manage an advanced DirectAccess infrastructure, and implement VPN.

Lessons

- Overview of Remote Access
- Implementing DirectAccess by Using the Getting Started Wizard
- Implementing and Managing an Advanced DirectAccess Infrastructure
- Implementing VPN
- Implementing Web Application Proxy

Lab : Implementing DirectAccess by Using the Getting Started Wizard

Lab : Deploying an Advanced DirectAccess Solution

Lab : Implementing VPNLab : Implementing Web Application Proxy

Module 9: Optimizing File Services

This module describes FSRM, configure quotas, file screening, and storage reports and implement classification management and file management tasks. It describes the components of the DFS. I also explains how to configure DFS namespaces and DFS replication.

Lessons

Overview of FSRM

Using FSRM to Manage Quotas, File Screens, and Storage Reports

Implementing Classification and File Management Tasks

Overview of DFS

Configuring DFS Namespaces

Configuring and Troubleshooting DFS Replication

Lab : Configuring Quotas and File Screening Using File Server Resource Manager

Lab : Implementing Distributed File System

Module 10: Configuring Encryption and Advanced Auditing

This module explains how to encrypt files using EFS and configure advanced auditing features.

Lessons

Encrypting Drives by Using BitLocker

Encrypting Files by Using EFS

Configuring Advanced Auditing

Lab : Configuring Encryption and Advanced Auditing

Module 11: Deploying and Maintaining Server Images

This module explains how to create and manage server images by using Windows Deployment Services

Lessons

Overview of Windows Deployment Services

Managing Images

Implementing Deployment with Windows Deployment Services

Administering Windows Deployment Services

Lab: Using Windows Deployment Services to Deploy Windows Server 2012

Module 12: Implementing Update Management

This module explains how to use Windows Server Update Services (WSUS) to deploy updates to Windows servers and clients.

Lessons

Overview of WSUS

Deploying Updates with WSUS

Lab : Implementing Update Management

Module 13: Monitoring Windows Server 2012

This module explains the monitoring tools available in Windows Server 2012. it also explains how to use Performance Monitor and monitor events.

Lessons

Monitoring Tools

Using Performance Monitor

Monitoring Event Logs

Lab: Monitoring Windows Server 2012