

MWS3-4 - MOC 20742 - IDENTITY WITH WINDOWS SERVER 2016

Categoria: **Windows Server 2016**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Windows Server 2016



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

- Installare e configurare i controller di dominio.
- Gestire gli oggetti di dominio Active Directory utilizzando sia strumenti grafici che di Windows PowerShell.
- Implementare Active Directory in ambienti complessi.
- Implementare siti di dominio Active Directory e configurarne e gestirne la replica.
- Implementare e gestire oggetti Criteri di gruppo (GPO).
- Gestire le impostazioni utente mediante GPO.
- Mettere in sicurezza un dominio Active Directory e i relativi account utente.
- Implementare e gestire una gerarchia di autorità di certificazione (CA) con Active Directory.
- Implementare e gestire i certificati.
- Implementare e amministrare AD FS.
- Implementare e amministrare i Directory Rights Management Services (RMS) attivi.
- Implementare la sincronizzazione tra Active Directory e Azure AD.
- Monitorare, risolvere i problemi e stabilire la continuità operativa per i servizi di dominio Active Directory.

PREREQUISITI

- Esposizione e l'esperienza con alcuni concetti AD e tecnologie DS in Windows Server 2012 o Windows Server 2016.
- Esperienza lavorativa e configurazione di Windows Server 2012 o Windows Server 2016
- Esperienza e comprensione delle tecnologie di rete fondamentali come l'indirizzamento IP, la risoluzione dei nomi e Dynamic Host Configuration Protocol (DHCP).
- Esperienza lavorativa con e comprensione di Microsoft Hyper-V e dei concetti di base della virtualizzazione dei server.
- Consapevolezza delle buone pratiche di sicurezza di base.
- Esperienza lavorativa con i sistemi operativi client Windows, come Windows 7, Windows 8, Windows 8.1 o Windows 10.
- Esperienza di base con l'interfaccia della riga di comando di Windows PowerShell.

Module 1: Installing and configuring domain controllers

Overview of AD DS

Overview of AD DS domain controllers

Deploying a domain controller

Lab : Deploying and administering AD DS

Deploying AD DS

Deploying domain controllers by performing domain controller cloning

Administering AD DS

After completing this module, students will be able to:

Describe AD DS and its main components.

Describe the purpose of domain controllers and their roles.

Describe the considerations for deploying domain controllers.

Module 2: Managing objects in AD DS

Managing user accounts

Managing groups in AD DS

Managing computer objects in AD DS

Using Windows PowerShell for AD DS administration

Implementing and managing OUs

Lab : Managing AD DS objects

Creating and managing groups in AD DS

Creating and configuring user accounts in AD DS

Managing computer objects in AD DS

Lab : Administering AD DS

Delegate administration for OUs

Creating and modifying AD DS objects with Windows PowerShell

After completing this module, students will be able to:

Manage user accounts in AD DS.

Manage groups in AD DS.

Manage computer objects in AD DS.

Use Windows PowerShell for AD DS administration.

Implement and manage OUs.

Administer AD DS.

Module 3: Advanced AD DS infrastructure management

Overview of advanced AD DS deployments

Deploying a distributed AD DS environment

Configuring AD DS trusts

Lab : Domain and trust management in AD DS

Implementing forest trusts

Implementing child domains in AD DS

After completing this module, students will be able to:

Describe the components of an advanced AD DS deployment.

Explain how to deploy a distributed AD DS environment.

Explain how to deploy a distributed AD DS environment.

Explain how to configure AD DS trusts.

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Module 4: Implementing and administering AD DS sites and replication

Overview of AD DS replication

Configuring AD DS sites

Configuring and monitoring AD DS replication

Lab : Implementing AD DS sites and replication

Modifying the default site

Creating additional sites and subnets

Configuring AD DS replication

Monitoring and troubleshooting AD DS replication

After completing this module, students will be able to:

Describe how AD DS replication works.

Describe how AD DS replication works.

Configure AD DS sites to help optimize authentication and replication traffic.

Configure AD DS sites to help optimize authentication and replication traffic.

Configure and monitor AD DS replication.

Configure and monitor AD DS replication.

Module 5: Implementing Group Policy

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

Creating and configuring GPOs

Managing GPO scope

Lab : Troubleshooting Group Policy infrastructure

Verify GPO application

Troubleshooting GPOs

After completing this module, students will be able to:

Explain what Group Policy is.

Implement and administer GPOs.

Describe Group Policy scope and Group Policy processing.

Troubleshoot GPO application.

Module 6: Managing user settings with Group Policy

Implementing administrative templates

Configuring Folder Redirection, Software Installation, and Scripts

Configuring Group Policy preferences

Lab : Managing user settings with GPOs

Using administrative templates to manage user settings

Implement settings by using Group Policy preferences

Configuring Folder Redirection

Planning Group Policy (optional)

After completing this module, students will be able to:

Implement administrative templates.

Configure Folder Redirection, software installation, and scripts.
Configure Group Policy preferences.

Module 7: Securing Active Directory Domain Services

Securing domain controllers
Implementing account security
Implementing audit authentication
Configuring managed service accounts

Lab : Securing AD DS

Implementing security policies for accounts, passwords, and administrative groups
Deploying and configuring an RODC
Creating and associating a group MSA
After completing this module, students will be able to:
Secure domain controllers.
Implement account security.
Implement audit authentication.
Configure managed service accounts (MSAs).

Module 8: Deploying and managing AD CS

Deploying CAs
Administering CAs
Troubleshooting and maintaining CAs

Lab : Deploying and configuring a two-tier CA hierarchy

Deploying an offline root CA
Deploying an enterprise subordinate CA
After completing this module, students will be able to:
Deploy CAs.
Administer CAs.
Troubleshoot and maintain CAs.

Module 9: Deploying and managing certificates

Deploying and managing certificate templates
Managing certificate deployment, revocation, and recovery
Using certificates in a business environment
Implementing and managing smart cards

Lab : Deploying and using certificates

Configuring certificate templates
Enrolling and using certificates
Configuring and implementing key recovery
After completing this module, students will be able to:
Deploy and manage certificate templates.
Manage certificates deployment, revocation, and recovery.
Use certificates in a business environment.
Implement and manage smart cards

Module 10: Implementing and administering AD FS

Overview of AD FS
AD FS requirements and planning
Deploying and configuring AD FS
Overview of Web Application Proxy

Lab : Implementing AD FS

Configuring AD FS prerequisites

Installing and configuring AD FS

Configuring an internal application for AD

Configuring AD FS for federated business partners

After completing this module, students will be able to:

Describe AD FS.

Explain how to deploy AD FS.

Explain how to implement AD FS for a single organization.

Explain how to extend AD FS to external clients.

Implement single sign-on (SSO) to support online services.

Module 11: Implementing and administering AD RMS

Overview of AD RMS

Deploying and managing an AD RMS infrastructure

Configuring AD RMS content protection

Lab : Implementing an AD RMS infrastructure

Installing and configuring AD RMS

Configuring AD RMS templates

Using AD RMS on clients

After completing this module, students will be able to:

Describe AD RMS.

Describe usage scenarios for AD RMS.

Describe the AD RMS components.

Module 12: Implementing AD DS synchronization with Microsoft Azure AD

Planning and preparing for directory synchronization

Implementing directory synchronization by using Azure AD Connect

Managing identities with directory synchronization

Lab : Configuring directory synchronization

Preparing for directory synchronization

Configuring directory synchronization

Managing Active Directory users and groups

After completing this module, students will be able to:

Plan and prepare for directory synchronization.

Implement directory synchronization by using Microsoft Azure Active Directory Connect (Azure AD Connect).

Manage identities with directory synchronization.

Module 13: Monitoring, managing, and recovering AD DS

Monitoring AD DS

Managing the Active Directory database

Active Directory backup and recovery options for AD DS and other identity and access solutions

Lab : Recovering objects in AD DS

Backing up and restoring AD DS

Recovering objects in AD DS

After completing this module, students will be able to:

Monitor AD DS.

Manage the Active Directory database.

Describe the backup and recovery options for AD DS and other identity access solutions.

INFO

Materiale didattico: Materiale didattico in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)