AZ-800T00 - Administering Windows Server Hybrid Core Infrastructure

Microsoft - Windows Server Hybrid - Sistemistica

Durata:	Lingue:	Certificazione:
4 Giorni	**Italiano**	**Microsoft Certified: Windows Server Hybrid Administrator Associate**

Descrizione del corso

This course teaches IT Professionals how to manage core Windows Server workloads and services using on-premises, hybrid, and cloud technologies. The course teaches IT Professionals how to implement and manage on-premises and hybrid solutions such as identity, management, compute, networking, and storage in a Windows Server hybrid environment. *This course will be replaced by AZ-802 on September 30th 2026*

Programma

Module 1: Identity services in Windows Server

- Introduction to AD DS
- Manage AD DS domain controllers and FSMO roles
- Implement Group Policy Objects
- Manage advanced features of AD DS
- Deploying a new domain controller on Server Core
- Configuring Group Policy

Module 2: Implementing identity in hybrid scenarios

- Implement hybrid identity with Windows Server
- Deploy and manage Azure IaaS Active Directory domain controllers in Azure
- Preparing Azure AD for AD DS integration

- Preparing on-premises AD DS for Azure AD integration
- Downloading, installing, and configuring Azure AD Connect
- Verifying integration between AD DS and Azure AD
- Implementing Azure AD integration features in AD DS

Module 3: Windows Server administration

- Perform Windows Server secure administration
- Describe Windows Server administration tools
- Perform post-installation configuration of Windows Server
- Just Enough Administration in Windows Server
- Implementing and using remote server administration

Module 4: Facilitating hybrid management

- Administer and manage Windows Server IaaS virtual machines remotely
- Manage hybrid workloads with Azure Arc
- Provisioning Azure VMs running Windows Server
- Implementing hybrid connectivity by using the Azure Network Adapter
- Deploying Windows Admin Center gateway in Azure
- Verifying functionality of the Windows Admin Center gateway in Azure

Module 5: Hyper-V virtualization in Windows Server

- Configure and manage Hyper-V
- Configure and manage Hyper-V virtual machines
- Secure Hyper-V workloads
- Run containers on Windows Server
- Orchestrate containers on Windows Server using Kubernetes
- Creating and configuring VMs
- Installing and configuring containers

Module 6: Deploying and configuring Azure VMs

- Plan and deploy Windows Server IaaS virtual machines
- Customize Windows Server IaaS virtual machine images
- Automate the configuration of Windows Server IaaS virtual machines
- Authoring Azure Resource Manager (ARM) templates for Azure VM

deployment
- Modifying ARM templates to include VM extension-based configuration
- Deploying Azure VMs running Windows Server by using ARM templates
- Configuring administrative access to Azure VMs running Windows Server
- Configuring Windows Server security in Azure VMs

Module 7: Network infrastructure services in Windows Server

- Deploy and manage DHCP
- Implement Windows Server DNS
- Implement IP address management
- Implement remote access
- Deploying and configuring DHCP
- Deploying and configuring DNS

Module 8: Implementing hybrid networking infrastructure

- Implement hybrid network infrastructure
- Implement DNS for Windows Server IaaS VMs
- Implement Windows Server IaaS VM IP addressing and routing
- Implementing virtual network routing in Azure
- Implementing DNS name resolution in Azure

Module 9: File servers and storage management in Windows Server

- Manage Windows Server file servers
- Implement Storage Spaces and Storage Spaces Direct
- Implement Windows Server Data Deduplication
- Implement Windows Server iSCSI
- Implement Windows Server Storage Replica
- Implementing Data Deduplication
- Configuring iSCSI storage
- Configuring redundant Storage Spaces
- Implementing Storage Spaces Direct

Module 10: Implementing a hybrid file server infrastructure

- Overview of Azure file services

- Implementing Azure File Sync
- Implementing DFS Replication in your on-premises environment
- Creating and configuring a sync group
- Replacing DFS Replication with File Sync–based replication
- Verifying replication and enabling cloud tiering
- Troubleshooting replication issues

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