AZ-802T00 - Administer Windows Server

Microsoft - Windows Server Hybrid - Sistemistica

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**-**

Descrizione del corso

This course teaches IT professionals how to deploy, manage, secure, and troubleshoot Windows Server workloads across on-premises, hybrid, and cloud environments. The course covers Active Directory Domain Services, Hyper-V and Azure virtual machines, on-premises and hybrid networking, storage and file services, Windows Server security hardening, and monitoring and troubleshooting. It highlights administrative tools and technologies including Windows Admin Center, PowerShell, Azure Arc, Azure Monitor, Azure Update Manager, and Microsoft Defender for Cloud.

Programma

Module 1: Deploy and manage Active Directory Domain Services

- Deploy and manage Active Directory Domain Services domain controllers
- Deploy and manage Azure IaaS Active Directory domain controllers in Azure
- Manage AD DS domain controllers and FSMO roles
- Create and manage Active Directory objects
- Implement hybrid identity with Windows Server
- Create and configure Group Policy Objects in Active Directory
- Implement Group Policy Objects
- Manage advanced features of AD DS

Module 2: Manage Windows Server instances and workloads in a hybrid environment

- Administer and manage Windows Server IaaS Virtual Machine remotely
- Describe Windows Server administration tools
- Just Enough Administration in Windows Server
- Perform Windows Server secure administration
- Use advanced Windows PowerShell remoting techniques
- Manage single and multiple computers by using Windows PowerShell remoting
- Manage hybrid workloads with Azure Arc
- Manage Azure updates
- Automate the configuration of Windows Server IaaS Virtual Machines
- Enforce VM security configuration with Azure Machine Configuration
- Explore Azure Automation with DevOps

Module 3: Manage virtual machines

- Configure and manage Hyper-V virtual machines
- Configure and manage Hyper-V
- Secure Hyper-V workloads
- Implement high availability of Windows Server VMs
- Plan and deploy Windows Server IaaS Virtual Machines
- Implement scale and high availability with Windows Server VM
- Implement Windows Server IaaS VM IP addressing and routing
- Implement Windows Server IaaS VM network security
- Administer and manage Windows Server IaaS Virtual Machine remotely

Module 4: Implement and manage an on-premises and hybrid networking infrastructure

- Implement Windows Server DNS
- Implement DNS for Windows Server IaaS VMs
- Secure Windows Server DNS
- Deploy and manage DHCP
- Implement IP Address Management
- Implement Windows Server IaaS VM IP addressing and routing

Module 5: Manage storage and file services

- Implement a hybrid file server infrastructure

- 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

Module 6: Secure Windows Server infrastructure

- Manage Microsoft Defender for Endpoint
- Manage Microsoft Defender in Windows client
- Manage security in Active Directory
- Secure Windows Server user accounts
- Manage security controls for identity and access
- Security monitoring and governance

Module 7: Monitor and troubleshoot Windows Server environments

- Monitor Windows Server IaaS Virtual Machines and hybrid instances
- Monitor your Azure virtual machines with Azure Monitor
- Monitor Windows Server performance
- Manage and monitor Windows Server event logs
- Implement Windows Server auditing and diagnostics
- Troubleshoot on-premises and hybrid networking
- Troubleshoot Windows Server Virtual Machines in Azure
- Windows Server update management
- Troubleshoot Active Directory