



Microsoft Certified: Windows Server Hybrid Administrator Associate

As a candidate for this exam, you're responsible for configuring and managing Windows Server on-premises, hybrid, and infrastructure as a service (IaaS) platform workload. As a Windows Server hybrid administrator, you're tasked with:

- Integrating Windows Server environments with Azure services.
- Managing Windows Server in on-premises networks.

Target Audience

- IT Professional
- Technicians
- Network/Server Administrators
- System Administrators
- Software Developers
- Azure / Microsoft 365 Administrators,
- Enterprise Architect

As a candidate for this training, you deploy, package, secure, update, and configure Windows Server workloads using on-premises, hybrid, and cloud technologies. In this role, you implement and manage on-premises and hybrid solutions, such as identity, security, management, computing, networking, storage, monitoring, high availability, and disaster recovery.

You use administrative tools and technologies such as Windows Admin Center, PowerShell, Azure Arc, Azure Policy, Azure Monitor, Azure Automation Update Management, Microsoft Defender for Identity, Microsoft Defender for Cloud, and IaaS virtual machine (VM) administration.



Course Content

Exam AZ-800: Administering Windows Server Hybrid Core Infrastructure

1. Deploy and manage identity infrastructure

- Introduction to AD DS
- Describe AD DS.
- Describe users, groups, and computers.
- Identify and describe AD DS forests and domains.
- Describe OUs.
- Manage objects and their properties in AD DS.
- Manage AD DS domain controllers and FSMO roles
- Implement Group Policy Objects
- Manage advanced features of AD DS
- Implement hybrid identity with Windows Server
- Deploy and manage Azure IaaS Active Directory domain controllers in Azure

2. Manage Windows Servers and workloads in a hybrid environment

- Perform Windows Server secure administration
- Describe Windows Server administration tools
- Perform post-installation configuration of Windows Server
- Administer and manage Windows Server IaaS Virtual Machine remotely
- Manage hybrid workloads with Azure Arc
- Optimizing IT operations and management with Azure Auto manage
- Just Enough Administration in Windows Server

3. Manage virtualization and containers in a hybrid environment

- Configure and manage Hyper-V
- Configure and manage Hyper-V virtual machines
- Secure Hyper-V workloads
- Plan and deploy Windows Server IaaS Virtual Machines
- Customize Windows Server IaaS Virtual Machine images
- Automate the configuration of Windows Server IaaS Virtual Machines
- Run containers on Windows Server
- Orchestrate containers on Windows Server using Kubernetes

4. Implement and operate an on-premises and hybrid networking infrastructure

- Implement DNS for Windows Server IaaS VMs
- Deploy and manage DHCP
- Implement Windows Server DNS
- Implement IP Address Management
- Implement remote access
- Implement hybrid network infrastructure
- Implement Windows Server IaaS VM IP addressing and routing



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5. Configure storage and file services

- 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
- Implement a hybrid file server infrastructure

Exam AZ-801: Configuring Windows Server Hybrid Advanced Services

6. Secure Windows Server on-premises and hybrid infrastructures

- Implement Windows Server IaaS VM network security
- Audit the security of Windows Server IaaS Virtual Machines
- Manage Azure updates
- Create and implement application allowlists with adaptive application control
- Configure BitLocker disk encryption for Windows IaaS Virtual Machines
- Implement change tracking and file integrity monitoring for Windows IaaS VMs
- Secure Windows Server DNS
- Secure Windows Server user accounts
- Hardening Windows Server
- Windows Server update management

7. Implement Windows Server high availability

- Introduction to Cluster Shared Volumes
- Implement Windows Server failover clustering
- Implement high availability of Windows Server VMs
- Implement Windows Server File Server high availability
- Implement scale and high availability with Windows Server VM

8. Implement disaster recovery in Windows Server on-premises and hybrid environments

- Implement Hyper-V Replica
- Implement hybrid backup and recovery with Windows Server IaaS
- Protect your on-premises infrastructure from disasters with Azure Site Recovery
- Protect your Azure infrastructure with Azure Site Recovery
- Protect your virtual machines by using Azure Backup



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9. Migrate servers and workloads in on-premises and hybrid environments

- Migrate on-premises Windows Server instances to Azure IaaS virtual machines
- Upgrade and migrate Windows Server IaaS virtual machines
- Active Directory Domain Services migration
- Migrate file server workloads using Storage Migration Service
- Migrate Windows Server roles
- Containerize and migrate ASP.NET applications to Azure App Service

10. 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
- Troubleshoot Active Directory