

Azure VMware Solution Learning Companion

www.aka.ms/pathways



Getting started

Run VMware resources on Azure VMware Solution

1. Introduction to Azure VMware Solution

- Introduction
- What is Azure VMware Solution
- How Azure VMware Solution Works
- When to use Azure VMware Solution
- Summary

2. Prepare to migrate VMware workloads to Azure by deploying Azure VMware Solution

- Introduction
- Plan an Azure VMware Solution deployment
- Plan network topology for Azure VMware Solution deployment
- Deploy Azure VMware Solution
- Connect to an on-premises VMware vSphere environment
- Configure NSX-T network components
- Knowledge check
- Summary

3. Migrate VMware resources on-premises to Azure VMware Solution

- Introduction
- Plan HCX deployment
- Deploy and install VMware HCX
- Configure networking and compute profiles for VMware HCX
- Create service mesh for VMware HCX
- Migrate virtual machine workloads into Azure VMware Solution
- Knowledge check
- Summary

Microsoft Learn Collection
Azure VMware Solution

4. Deploy disaster recovery using VMware Site Recovery Manager and Azure VMware Solution

- Introduction
- Identify deployment workflow prerequisites
- Install SRM in Azure VMware Solution
- Install vSphere Replication Appliance
- Configure vCenter site pairing
- Knowledge Check
- Summary

5. Secure outbound internet connectivity for Azure VMware Solution

- Introduction
- Default outbound internet connectivity for Azure VMware Solution
- Exercise - configure Azure VMware Solution
- Exchange routes with Azure VMware Solution private cloud
- Exercise - create and configure Azure Route Server
- Securing network communication
- Exercise - create and configure Azure Firewall
- Using FRRouting as an NVA
- Exercise - configure custom router
- Network security management
- Exercise - establish outbound internet connectivity
- Summary

6. Using Azure NetApp Files with Azure VMware Solution

- Introduction
- What is Azure NetApp Files?
- Prepare to attach Azure NetApp Files to Azure VMware Solution
- Map Azure NetApp Files shares to a VM
- Knowledge check
- Summary

Azure VMware Solution Documentation

Learn how to use Azure VMware Solution to deploy a VMware Software-Defined Data Center (SDDC) private cloud to Azure

Overview:

- What is Azure VMware Solution?
- What's new
- Known Issues | FAQ

Get Started:

- Plan the deployment
- Deploy Azure VMware Solution
- Connect to on-premises
- Install/activate VMware HCX connector
- Configure on-premise HCX connector
- Uninstall VMware HCX

Tutorials:

- Network Planning Checklist
- Create a private cloud
- Configure networking
- Access a private cloud
- Create an NSX-T network segment
- Peer on-premises to private cloud
- Scale in a private cloud
- Delete a private cloud

Concepts:

- Access and Identity
- API Management
- Hub and Spoke
- Internet connectivity design considerations
- Network Design Considerations
- Networking and interconnectivity
- Private Cloud and Clusters
- Run Command
- Storage

Azure native integration:

- Protect, monitor and manage VMs
- Integrate Microsoft Defender for Cloud
- Protect web apps with Azure Application Gateway
- Deploy Traffic Manager to balance workloads
- Configure alerts and work with metrics
- Customer-managed key encryption at rest
- Attach Azure NetApp Files datastores
- Attach Azure NetApp Files
- Configure Cloud Backup for Azure NetApp Files datastores and VMs

Identity Management:

- Identity Concepts
- Configure external identity source for vCenter Server
- Configure external identity source for NSX-T Data Center
- Rotate the cloudadmin credentials

How to.....:

- Create an Azure VMware Solution Assessment
- Request host quota Azure VMware Solution
- Save costs with a reserved instance

VMware Solutions – How to:

- Configure HCX network extension
- Configure HCX network extension HA
- Configure vRealize Operations
- Deploy Horizon
- Create a content library to deploy VMs

Enterprise Scale for Azure VMware Solution:

- Landing zone accelerator
- Identity & Access Management
- Network Topology and connectivity
- Management and monitoring
- Enterprise-scale business continuity and disaster recovery
- Enterprise-scale security, governance and compliance
- Platform Automation and DevOps
- Enterprise-scale Automation

How to.....:

- Configure DHCP server or relay
- Configure DHCP on L2 stretched networks
- Configure a DNS forwarder
- Configure port mirroring
- Enable Public IP to the NSX-T Data Center Edge
- Configure a site-to-site VPN in vWAN
- Configure Windows Server Failover Cluster
- Connect multiple Azure VMware Solution private clouds in the same region
- Configure storage policy
- Create placement policy

Microsoft Blog:

- Azure Migration and Modernization Blog

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Doing More

- Run VMware workloads on Azure VMware Solution
- Webinar: How to Modernize Your VMware Environment with Microsoft Azure
- Webinar: Get Started with Azure VMware Solution: A Look Inside
- Azure VMware Solution landing zone accelerator
- Azure Migration & Modernisation Blog
- Demos: Migration to Azure VMware Solution
- Azure VMware Solution - Lightning Hands-on Lab
- Azure VMware Workload Migration (HCX) Hands-on Lab
- Lab: Azure VMware Solution Private Cloud Deployment and Connectivity
- Lab: Disaster Protection with Azure VMware Solution and VMware Site Recovery Manager
- Lab: VMware SD-WAN for Azure VMware Solution
- Lab: Azure VMware Solution Workload Migration with VMware HCX