

VMware Learning

Azure VMware Solution: Networking

Summary: - Formats: **Instructor-Led Training with Demo & Hands-on-labs**

- Length: 1 Day (8 Hours)

Overview:

During 1 day course, you focus on how to connect to on-premises network environment, Multiple private clouds in the same region, HCX network extension, adding NSX network components, configuring port mirroring and configure internet connectivity. The concepts learned in this course should be transferable for users who need to configure networking in Azure VMware Solution private cloud.

Objectives: By the end of the course, you should be able to meet the following objectives:

- Describe on-premises connectivity.
- Configure DHCP server or DHCP relay
- Configure DNS forwarder
- Configure NSX components
- Configure port mirroring
- Configure a site-to-site VPN in vWAN
- Configure internet connectivity

Intended Audience: Platform operators who are responsible for configuring AVS Private cloud networking components.

Prerequisites:

- Familiarity with
- Azure Cloud
- VMware vSphere, vSAN, NSX and HCX

Course Outline:

Module 1: Course Introduction

- Introduction
- Course Contents
- References

Module 2: Peer on-premises environments to Azure VMware Solution

- Prerequisites
- Create an ExpressRoute auth key in the on-premises ExpressRoute circuit
- Peer private cloud to on-premises
- Verify on-premises network connectivity
- Summary

Module 3: Connect multiple Azure VMware Solution private clouds in the same region

- Supported regions
- Prerequisites
- Add connection between private clouds
- Remove connection between private clouds

Module 4: Configure DHCP for Azure VMware Solution

- Use the Azure portal to create a DHCP server or relay
- Use NSX to host your DHCP server
- Use a third-party external DHCP server
- Configure DHCP on L2 stretched VMware HCX networks

Module 5: Configure a DNS forwarder in Azure VMware Solution

- Architecture
- Configure DNS forwarder
- Change Default T1 DNS Forwarder Zone
- Verify name resolution operations

Module 6: VMware HCX Mobility Optimized Networking (MON) guidance

- Create an HCX network extension
- Optimize traffic flows across standard and stretched segments on the private cloud side
- Optimize and avoid asymmetric traffic flows

Module 7: Configure NSX Network Components

- Add an NSX Segment using Azure AVS portal
- Use the Azure AVS portal to create a DHCP server or relay
- Configure port mirroring in the Azure AVS portal
- Configure a DNS forwarder in the Azure AVS portal

Module 8: Configure port mirroring in the Azure portal

- Prerequisites
- Create the VMs or VM groups
- Create a port mirroring profile

Module 9: Configure a site-to-site VPN in vWAN for Azure VMware Solution

- Prerequisites
- Create an Azure Virtual WAN
- Create a virtual hub
- Create a VPN gateway
- Create a site-to-site VPN
- (Optional) Create policy-based VPN site-to-site tunnels
- Connect your VPN site to the hub

Module 9: Configure Internet Connectivity in Azure VMware Solution Private Cloud

- Turn on Managed SNAT for Azure VMware Solution workloads
- Turn on public IP addresses to an NSX Edge node for VMware NSX
- Set a default internet route or turn off internet access

Module 10: Deploy Azure Traffic Manager to balance Azure VMware Solution workloads

- Prerequisites
- Verify your application gateways configuration
- Verify the NSX segment configuration
- Create your Traffic Manager profile
- Add external endpoints into the Traffic Manager profile