

VMware Learning

Azure VMware Solution: Plan, Deploy and Workload Migration

Summary: - Formats: [Instructor-Led Training with Demo & Hands-on-labs](#)

- Length: 3 Days

Overview:

During 3 days course, you focus on how to deploy the resource, and how to migrate VMware virtual machines from on-premises infrastructure on to the Azure VMware Solutions. The concepts learned in this course should be transferable for users who need to plan and deploy Azure VMware Solutions. Plan to migrate VMware workloads or Virtual machines from on-prem datacentres to Azure platform.

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

- Describe Azure VMware Solution
- Describe VMware vSphere, VMware NSX and VMware HCX.
- Explain how to plan and deploy Azure VMware Solution
- Use cases for Azure VMware Solution
- Explain how to migrate VMware-based workloads from your datacentre to Azure and integrate your VMware environment with Azure.
- Keep managing your existing environments with the same VMware tools you already know while you modernize your applications with Azure native services.

Intended Audience: Platform operators who are responsible for deploying and managing VMware Workloads on Azure VMware Solution.

Prerequisites:

- Understanding of VMware vSphere, VMware NSX and VMware HCX.
- Experience working with Azure cloud.

Course Outline:

Module 1: Course Introduction

- Introduction
- Course Contents
- References

Module 2: Introduction to Azure VMware Solution

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

Module 3: vSphere Components in Azure VMware Solution

- ESXi Host
- vCenter
- Creating Virtual Machines

Module 4: vSAN in Azure VMware Solution

- vSAN Architecture
- vSAN Storage Policies

- Configure vSAN
- Configure customer-managed key encryption at rest

Module 5: Networking in Azure VMware Solution

- NSX-T Architecture
- Logical Switching
- Creating and Managing NSX network segment
- Configure and manage DHCP in AVS

Module 6: Plan an Azure VMware Solution Deployment

- Overview of Azure VMware Solution deployment
- Plan network topology for Azure VMware Solution deployment

Module 7: Deploy Azure VMware Solution

- Deploy Azure VMware Solution
- Connect to an on-premises VMware vSphere environment
- Configure NSX-T network components

Module 8: Migrate VMware workloads on-premises to Azure VMware Solution

- Introduction to VMware HCX
- Plan HCX deployment
- Deploy and install VMware HCX
- Configure networking and compute profiles for VMware HCX
- Create a service mesh for VMware HCX
- Types of Migrations
- Migrate virtual machine workloads into Azure VMware Solution
- Summary