

Azure VMware Solution: Plan, Deploy, Operations and Monitoring

Course Duration: 24 Hours

Course code: Azure VMware Solution

1. Course Overview

During the 3-day course, you focus on how to plan and deploy the resource, and how to perform Run command operations such as adding to Identity Source, viewing and setting Storage policies, and using VMware HCX Run commands. Configure Diagnostic settings, configure Alerts, and work with Metrics. Deploy Azure Arc and learn how to CRUD the AVS and on-prem VMs. Understand how to configure VMware Aria Operations for AVS Private Cloud. The concepts learned in this course should be transferable for users who need to plan and deploy Azure VMware Solutions and perform Operations and Monitoring for AVS Private Cloud.

2. What you'll learn?

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

Perform Run command operations such as adding to Identity Source, view and set Storage policies, and use VMware HCX Run commands.

Configure Diagnostic settings, Configure Alerts and work with Metrics.

Deploying Azure Arc and how to CRUD the AVS and on-prem VMs.

Configure VMware Aria Operations for AVS Private Cloud.

3. Target Audience

Platform operators who are responsible for deploying and managing VMware

Workloads on Azure VMware Solution.

4. Pre-Requisites

Familiarity with:

- Azure Cloud
- VMware vSphere, vSAN, NSX
- VMware Aria Operations

5. Course content

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: Run Command in AVS

- View the status of an execution
- Cancel or delete a job
- Configure an external identity source
- View and set storage policies

Module 9: Configure VMware Syslogs in AVS

- Prerequisites
- Setting up Log Analytics
- Configure diagnostic settings

Module 10: Configuring Alerts and Working with Metrics in AVS

- Supported metrics and activities
- Configure an alert rule
- Work with metrics

Module 11: Deploy Arc for AVS

- Azure ARC-Overview
- Onboard process to deploy Azure Arc
- Discover and project your VMware infrastructure resources to Azure
- Create Arc-enabled Azure VMware Solution virtual machine
- Enable guest management and extension installation
- Change Arc appliance credential
- Manual appliance upgrade
- Off board from Azure Arc-enabled Azure VMware Solution
- Remove Arc-enabled Azure VMware Solution vSphere resources from Azure
- Delete Arc resources from vCenter Server

Module 12: Configure VMware Aria Operations for AVS

- Prerequisites
- On-premises Aria Operations managing Azure VMware Solution deployment
- Aria Operations Cloud managing Azure VMware Solution deployment
- Known limitations