

Azure VMware Solution: HCX Migration & SRM DR

Plan, deploy, Workload Migration, ARC, DR using VMware SRM, Backup and Recovery

5 Days

40 HOURS

13

MODULES

65

TOPICS

COURSE OVERVIEW

During this five-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.

WHO THIS COURSE IS FOR

Platform operators who are responsible for deploying and managing VMware Workloads on Azure VMware Solutions

PREREQUISITES

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

LEARNING OBJECTIVES

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

- Describe Azure VMware Solutions
- Describe VMware vSphere, VMware NSX and VMware HCX
- Explain how to plan and deploy Azure VMware Solution
- Use cases for Azure VMware Solutions
- 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
- How to use storage options available in Azure
- Monitoring AVS private cloud using Azure ARC
- How to use AVS for Disaster Recovery using VMware SRM

13 Modules, 65 Topics

01

Course Introduction

TOPICS

Introduction · Course Contents · References

02

Introduction to Azure VMware Solution

TOPICS

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

03

vSphere Components in Azure VMware Solution

TOPICS

ESXi Host · vCenter · Creating Virtual Machines

04

vSAN in Azure VMware Solution

TOPICS

- vSAN Architecture
- vSAN Storage Policies
- Configure vSAN
- Configure customer-managed key encryption at rest

05

Networking in Azure VMware Solution

TOPICS

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

06

Plan an Azure VMware Solution Deployment

TOPICS

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

07

Deploy Azure VMware Solution

TOPICS

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

08

AVS-Configure Azure Elastic SAN

TOPICS

- Prerequisites
- Set preview feature flags
- Set up Elastic SAN
- Add an Elastic SAN volume as a datastore
- Configure external storage address block
- Connect Elastic SAN
- Disconnect and delete an Elastic SAN-based datastore

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AVS-Azure NetApp Files Datastore

TOPICS

- Attach Azure NetApp Files Datastore to AVS Hosts
- Attach Azure NetApp Files to AVS VMs

10

Migrate VMware Workloads on-premises to Azure VMware Solution

TOPICS

- 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

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Deploy Arc for AVS

TOPICS

- 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

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AVS - Deploy DR Using VMware SRM

TOPICS

- VMware SRM Architecture
- Supported scenarios
- Deployment workflow
- Prerequisites
- Install SRM in Azure VMware Solution
- Install the vSphere Replication appliance
- Configure site pairing in vCenter Server
- VMware SRM protection, reProtection, and failback
- Ongoing management of your VMware SRM solution
- Scale limitations
- VMware SRM licenses
- Uninstall VMware SRM

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Backup and Recovery

TOPICS

Backup Solutions for VMs · Backup with Azure Backup Server

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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