

VMware Horizon Cloud Service Next Gen on Microsoft Azure: Deploy and Manage

Course Duration:40 Hours

Course code:VMHCSNGMADM

1. Course Overview

This five-day, hands-on training equips you with the knowledge, skills, and abilities to successfully deploy and manage VMware Horizon® Cloud Service™ on Microsoft Azure. You will learn to navigate and operate both the VMware Horizon Cloud administration console and the Microsoft Azure portal.

2. What you'll learn?

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

- Describe the architecture of Horizon Cloud Service on Microsoft Azure
- Discuss the initial Microsoft Azure configurations required for the Horizon Cloud Service on Microsoft Azure deployment
- Discuss Horizon Cloud Service on Microsoft Azure networking concepts
- Discuss Horizon Cloud Service on Microsoft Azure AD requirements and integration best practices
- Discuss the integration of Workspace ONE Access with Horizon Cloud Service on Microsoft Azure
- Discuss the requirements for deploying Horizon Cloud Service on Microsoft Azure
- Demonstrate how to deploy or upgrade Horizon Cloud Service on Microsoft Azure
- Identify the Horizon Cloud Service console controls that are available to administrators

- Identify Horizon Cloud upgrade features and benefits
- List the steps and considerations to take when setting up a primary VM to be used as an assignable image
- List the steps to install the user software on the primary VM
- Describe pools and pool groups
- Explain the creation process and configuration options for single-session and multisection pools and pool groups
- Create single-session and multisection assignments and entitlements
- Explain power management options in the multisection pool groups
- Manage assignable images on Horizon Cloud Service on Microsoft Azure
- Identify how to access desktops and application from Horizon Cloud Service on Microsoft Azure
- Describe the integration of VMware Dynamic Environment Manager with Horizon Cloud Service on Microsoft Azure
- Manage user personalization and application configurations using the VMware Dynamic Environment Manager management console and application profiler
- Discuss the usage of App Volumes for Horizon Cloud Service on Microsoft Azure
- Interpret scalability considerations for Horizon Cloud Service on Microsoft Azure
- Apply troubleshooting techniques relevant to Horizon Cloud Service and Microsoft Azure
- Summarize the analytics and monitoring capabilities in Horizon Cloud Service on Microsoft Azure

3. Target Audience

Horizon Cloud Service on Microsoft Azure administrators, system integrators, account managers, solutions architects, solutions engineers, sales engineers, and consultants.

4. Pre-Requisites

- This course has no prerequisites

5. Course content

1. Course Introduction

- Introduction and course logistics
- Course objectives

2. Introduction to Horizon Cloud Service on Microsoft Azure

- Discuss the features and benefits of Horizon Cloud Service on Microsoft Azure
- Identify the available Horizon Cloud and Microsoft licensing options
- Identify the system architecture components of Horizon Cloud Service on Microsoft Azure
- Explain how VMware Dynamic Environment Manager is used in Horizon Cloud profile management
- Describe Horizon Cloud application management using App Volumes
- Identify the Microsoft Azure configuration prerequisites for Horizon Cloud integration
- Identify the main Microsoft Azure components required for Horizon Cloud deployment
- Review the virtual machines supported in Horizon Cloud Service on Microsoft Azure

3. Microsoft Azure Networking Requirements

- Discuss Horizon Cloud connectivity considerations and tasks
- Explain networking concepts for Horizon Cloud Service on Microsoft Azure
- Identify the ports required for local and remote connections, and endpoint OS firewall rules

4. Identity Management

- Explain computer identity type and user identity type
- Discuss best practices for Horizon Cloud Service on Microsoft Azure AD integrations
- Determine the requirements for Horizon Cloud Service on Microsoft Azure AD
- Describe the benefits of integrating Horizon Cloud with Workspace ONE Access
- Explain how users obtain access to an entitled virtual desktop or application from the VMware Workspace ONE® Intelligent Hub catalog
- Discuss the importance of directory binding with Workspace ONE Access and custom user attribute synchronization
- Discuss configuring the Remote App Access client in Workspace ONE Access
- Demonstrate accessing an entitled Horizon virtual desktop or application in the Workspace ONE Intelligent Hub catalog

5. Deployment and Upgrades

- Explain the steps and requirements for deploying Horizon Cloud Service on Microsoft Azure
- Describe the features and benefits of Horizon Edge
- Differentiate between internal and external gateways
- Outline Horizon Universal Console controls for administrators
- Identify the features and benefits of Horizon Cloud upgrades

6. Creating Images

- Outline the process and configuration choices for setting up primary VMs
- Identify configuration choices for importing primary VMs
- List steps to install user software on the primary VM
- Explain converting a configured primary VM to an assignable image
- Describe pools and pool groups
- List steps for configuring an image to a pool or pool group

7. Pool Groups

- Compare dedicated assignments to floating assignments
- Outline the steps for creating single-session and multisection assignments
- Explain the entitlement of pool groups
- Outline the creation process and configuration options for multisection pools and pool groups
- Explain power management selections in multisection pool groups
- Compare rolling maintenance and load-balancing options
- Identify actions related to the multisection groups page
- Identify actions to add and assign applications to a user or group
- Outline prerequisites for entitling a multisection assignment

8. Access Desktops and Applications

- Identify different versions of Horizon Client
- Describe how to access desktops and remote applications with Horizon Client
- Describe how to access desktops and remote applications with a browser
- Compare the remote display protocols available for Horizon Cloud
- Describe Blast Extreme display protocol codecs
- List ideal applications for each Blast Extreme codec
- Describe Blast Extreme policy configurations

9. Managing Images

- Describe images
- Explain how to manage images

10. VMware Dynamic Environment Manager on Horizon Cloud Service on Microsoft Azure

- Identify the functional areas of VMware Dynamic Environment Manager and their benefits
- Explain how to use the VMware Dynamic Environment Manager console and application profiler to manage user personalization and application configurations

11. App Volumes for Horizon Cloud Service on Microsoft Azure

- Explain how App Volumes works with Horizon Cloud Service on Microsoft Azure
- Identify the features and benefits of App Volumes in Horizon Cloud Service on Microsoft Azure
- Identify interface elements of App Volumes in Horizon Cloud Service on Microsoft Azure
- Demonstrate configuring App Volumes in Horizon Cloud Service on Microsoft Azure

12. Scalability Considerations

- Recognize scalability settings for Horizon Cloud Service on Microsoft Azure

13. Troubleshooting Horizon Cloud Service on Microsoft Azure

- Explain troubleshooting basics for Horizon Cloud Service on Microsoft Azure
- Identify analytics and monitoring capabilities of Horizon Cloud Service on Microsoft Azure
- Explain troubleshooting basics for Horizon Cloud