



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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

CODE:	LENGTH:	PRICE:
VMW_HCSNGADM	40 Hours (5 days)	£4,520.00

## Description

This five-day, hands-on training provides you with the knowledge, skills, and abilities to successfully deploy and manage VMware Horizon® Cloud Service™ on Microsoft Azure. This training also teaches you how to use the VMware Horizon Cloud administration console and Microsoft Azure portal.

Through a combination of hands-on labs and interactive lectures, you learn how to import and manage images for single and multisession assignments. You also learn how to configure and use the Universal Broker function, VMware App Volumes™, VMware Workspace ONE® Access™, and VMware Dynamic Environment Manager™ in the Horizon Cloud Service on Microsoft Azure deployment.

## Objectives

**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 multisession pools and pool groups
- Create single-session and multisession assignments and entitlements
- Explain power management options in the multisession 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

## Audience

Horizon Cloud Service on Microsoft Azure Administrators, System Integrators, Account Managers, Solutions Architects, Solutions Engineers, Sales Engineers and Consultants.

## Programme

- Introduction and course logistics

## **1 Course Introduction • Course objectives**

- 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 a Horizon Cloud integration
- Identify the main Microsoft Azure components required for a 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 the networking concepts for Horizon Cloud Service on Microsoft Azure
- Identify the ports required for local connections, remote connections, and endpoint OS firewall rules
- Explain computer identity type and user identity type
- Discuss the 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 a user obtains access to an entitled virtual desktop or application from the VMware Workspace ONE® Intelligent Hub catalog
- Discuss the importance of binding directory with Workspace ONE Access and setting up custom user attribute synchronization
- Discuss the importance of configuring the Remote App Access client in Workspace ONE Access
- Demonstrate how to access an entitled Horizon virtual desktop or application in the Workspace ONE Intelligent Hub catalog

- Explain the steps and requirements for deploying Horizon Cloud Service on Microsoft Azure
  - Describe the features and benefits of Horizon Edge
  - Describe the differences between internal and external gateways
  - Outline the Horizon Universal Console controls available for administrators
- ## **4 Identity Management**
- ## **5 Deployment and Upgrades**
- Identify the features and benefits of the Horizon Cloud upgrades

## **6 Creating Images**

- Outline the process and configuration choices for setting up primary VMs
- Identify the configuration choices for importing primary VMs
- List the steps to install the user software on the primary VM
- Explain how to convert a configured primary VM to an assignable image
- Describe pools and pool groups
- List the steps for configuring an image to a pool
- List the steps for configuring an image to a pool group
- Compare dedicated assignments to floating assignments
- Outline the steps for creating single-session and multisession assignment
- Explain the entitlement of pool groups
- Outline the creation process and configuration options for multisession pools and pool groups
- Explain the power management selections in the multisession pool groups
- Compare the rolling maintenance and loadbalancing options
- Identify the actions related to the multisession groups page
- Identify the actions to add and assign applications to a user or group
- Outline the prerequisites for entitling a multisession assignment

## **7 Pool Groups**

- Identify the 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 that are available for Horizon Cloud
- Describe the Blast Extreme display protocol codecs
- List the ideal applications for each Blast Extreme codec

## **8 Access Desktops and Applications**

- Describe images

## **9 Managing 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 the interface elements of App Volumes in Horizon Cloud Service on Microsoft Azure
- Demonstrate how to configure App Volumes in Horizon Cloud Service on Microsoft Azure

## **12 Scalability Considerations**

- Recognize the scalability settings for Horizon Cloud Service on Microsoft Azure

## **13 Troubleshooting Horizon Cloud Service on Microsoft Azure**

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

## **Further Information**

**Product Alignment** VMware Horizon Cloud Service on Microsoft Azure

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)