

## VMware Horizon Cloud Services on Microsoft Azure: Deploy & Manage

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### Course Summary

#### Description

This three-day, hands-on training provides you with the knowledge, skills, and abilities to achieve competence in deploying and managing VMware Horizon® Cloud Service™ on Microsoft Azure. This training increases your skill and competence in using the VMware Horizon® Cloud Administration Console and Microsoft Azure portal.

#### Objectives

At the end of this course, students will be able to:

- List the Horizon Cloud Service on Microsoft Azure features and benefits
- Identify the Horizon Cloud and Microsoft Licensing deployment options, requirements, and processes
- List the Horizon Cloud Service on Microsoft Azure system architecture components
- Interpret the Horizon Cloud basic architecture diagrams
- Discuss topics relevant to Horizon Cloud and Microsoft Azure
- Summarize the Horizon Cloud Service on Microsoft Azure analytics and monitoring capabilities
- Discuss the Horizon Cloud Service on Microsoft Azure networking concepts, connectivity considerations, and required ports
- Define the Horizon Cloud Service on Microsoft Azure scalability options
- Discuss the Horizon Cloud Service on Microsoft Azure Active Directory integration
- Determine the Horizon Cloud Service on Microsoft Azure Active Directory requirements
- Determine steps and requirements to deploy Horizon Cloud Service on Microsoft Azure
- Identify the Horizon Cloud upgrade features and benefits
- Outline steps to deploy nodes in Horizon Cloud Service on Microsoft Azure
- List steps to convert the master virtual machine to an assignable image
- Outline steps to create a Remote Desktop Session Host (RDSH) farm and Remote Desktop Server (RDS) desktop pools
- Describe how a user can access an application by using the RDS Farm
- Compare dedicated assignment and floating assignment
- Outline steps to create desktop and application assignments and entitlements
- Describe capabilities that the Cloud Service Admin UI provides for monitoring the health of an RDSH farm
- Describe VMware User Environment Manager™ and its architecture
- Explain the User Environment Manager functional areas and their benefits
- Explain the User Environment Manager profile management and its features
- Compare and describe the VMware Identity Manager™ deployment models
- Discuss the Horizon Cloud on Microsoft Azure critical issues

#### Topics

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| <ul style="list-style-type: none"> <li>• Course Introduction</li> <li>• Introduction to Horizon Cloud Service on Microsoft Azure</li> <li>• Connectivity and Networking</li> <li>• Active Directory</li> <li>• Deployment and Upgrades</li> <li>• Image Management</li> <li>• RDSH Farms</li> </ul> | <ul style="list-style-type: none"> <li>• VDI Desktops</li> <li>• Managing Assignable Images</li> <li>• User Environment Manager</li> <li>• VMware Identity Manager</li> <li>• Scalability Considerations</li> <li>• Troubleshooting</li> </ul> |
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### **Course Summary (cont)**

#### **Audience**

This course is intended for system administrators and system integrators.

#### **Prerequisites**

None.

#### **Duration**

Three days

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### Course Outline

- I. *Course Introduction*
  - A. Introductions and course logistics
  - B. Course objectives
- II. *Introduction to Horizon Cloud Service on Microsoft Azure*
  - A. List the Horizon Cloud Service on Microsoft Azure features and benefits
  - B. Identify the available Horizon Cloud and Microsoft licensing options
  - C. Describe the Horizon Cloud Service on Microsoft Azure deployment options and processes
  - D. List the Horizon Cloud Service on Microsoft Azure system architecture components
  - E. Interpret the Horizon Cloud basic architecture diagrams
  - F. Discuss topics that are relevant to Horizon Cloud
  - G. Discuss topics that are relevant to Microsoft Azure
  - H. Understand the concept of Remote Desktop Session Host farms
  - I. Determine the Horizon Cloud Service on Microsoft Azure configuration prerequisites
- III. *Connectivity and Networking*
  - A. Summarize Horizon Cloud connectivity considerations and tasks
  - B. Discuss the Horizon Cloud Service on Microsoft Azure networking concepts
  - C. Identify ports required for local connections, remote connections, and endpoint operating system firewall rules
- IV. *Active Directory*
  - A. List features and limitations of supported Active Directory configurations
  - B. Discuss Horizon Cloud Service on Microsoft Azure Active Directory integration best practices
  - C. Determine Horizon Cloud Service on Microsoft Azure Active Directory requirements
- V. *Deployment and Upgrades*
  - A. Determine steps and requirements to deploy Horizon Cloud Service on Microsoft Azure
  - B. Recognize the Horizon Cloud Administration Console options available to administrators
- VI. *Image Management*
  - A. Outline the process and choices to set up master virtual machines
  - B. Identify the configuration choices for importing master virtual machines
  - C. List steps to install the user software on the master virtual machine
  - D. Identify steps to convert a configured master virtual machine to an assignable image
- VII. *RDSH Farms*
  - A. Outline the process and configuration choices that are available while creating the RDSH farm
  - B. Identify the different desktops models supported in an RDSH farm
  - C. Explain power management options in the RDSH farm
  - D. Compare rolling maintenance
  - E. List actions that can be performed on farms listed on the Administration Console's Farms page
  - F. List the actions to assign an application to a user or group
  - G. List prerequisites for creating an RDSH session assignment
  - H. Identify steps for creating an RDSH assignment
- VIII. *VDI Desktops*
  - A. Compare dedicated assignment and floating assignment
  - B. Outline steps to create VDI desktop assignment
  - C. Explain the entitlement of desktops
- IX. *Managing Assignable Images*
  - A. Manage assignable images
  - B. Update agent, images, and farms
- X. *User Environment Manager*
  - A. Identify the User Environment Manager functional areas and their benefits
  - B. List the User Environment Manager components
  - C. Describe User Environment Manager and its architecture
  - D. Identify User Environment Manager profile management and its features
  - E. Describe User Environment Manager Smart Policies
- XI. *VMware Identity Manager*
  - A. Describe VMware Workspace ONE
  - B. Learn ways to deliver VMware Identity Manager
- XII. *Scalability Considerations*
  - A. Define the Horizon Cloud Service on Microsoft Azure scalability options
  - B. Apply RDS hosts and farms scaling
  - C. Justify the deployment of multiple Horizon Cloud Service on Microsoft Azure environments
  - D. Evaluate cost analysis and sizing considerations

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### Course Outline (cont)

*XIII. Troubleshooting*

- A. Discuss the Horizon Cloud Service on Microsoft Azure troubleshooting basics
- B. Discuss the Horizon Cloud troubleshooting basics