

## **VMware Horizon 7: Install, Configure, Manage [V7.3]**

1. Course Introduction
  - Review course goals
  - Review course objectives
  - Review the course outline
  - Find additional resources after this course
  
2. Introduction to VMware Horizon
  - Recognize the features and benefits of VMware Horizon
  - Identify the major function of each VMware Horizon component
  - Define a use case for your virtual desktop and application infrastructure
  
3. View Connection Server
  - Identify the VMware vSphere® requirements for a connection server
  - Describe the network and firewall configurations for View Connection Server
  - License VMware Horizon components
  - Configure View Connection Server
  
4. VMware Horizon Desktops
  - Outline the process and choices in setting up VMware Horizon virtual machines
  - Compare the remote display protocols that are available in VMware Horizon
  - List the ports that must be opened in the machine's firewall for VMware Horizon operations
  - Outline the configuration choices when installing Horizon Agent
  
5. VMware Horizon Desktop Pools
  - Identify the steps to set up a template for desktop pool deployment
  - List the steps to add desktops to the View Connection Server inventory
  - Define desktop entitlement
  - Describe how information on the Users and Groups page can be used to control and monitor View users
  - Explain the hierarchy of global policies, pool-level policies, and user-level policies
  - List the View Group Policy administrative template files
  
6. Horizon Client Options
  - Describe the requirements for a Horizon Client installation
  - Explain USB redirection and options
  - Describe the power states for desktops
  - Define and compare a thin client with a system running Horizon Client
  - Discuss the benefits of Virtual Printing
  - Explain the Virtual Printing architecture
  - Describe the configuration options for Virtual Printing
  - Explain the location-based printing feature

7. Creating Automated Pools of Full Virtual Machines
  - Recognize how an automated pool operates
  - Compare dedicated-assignment and floating-assignment pools
  - Outline the steps to create an automated pool
  - Examine the entitlement of desktops in automated pools
  
8. Creating and Managing Linked-Clone Desktop Pools
  - Describe the VMware linked-clone technology
  - Explain why both a parent virtual machine and a snapshot must be used to create linked clones
  - Outline the system requirements for View Composer
  - Describe the relationship between a persistent disk and the system disk
  - Outline the steps necessary to set up a desktop pool that uses linked clones
  - Compare the purpose of the parent and the replica virtual machines
  - Compare the linked-clone management operations
  - Describe the management operations for persistent disks
  
9. Creating and Managing Instant-Clone Desktop Pools
  - Identify the advantages of instant clones
  - Distinguish View Composer clones from instant clones
  - Identify the requirements of instant clones
  - Describe the types of instant-clone virtual machines
  - Explain how folders are used to delegate pool administration
  - Outline the steps to set up an automated pool that uses instant clones
  - Describe instant-clone limitations in VMware Horizon
  - Describe the creation of instant clones
  - Set up an automated pool of instant clones
  
10. VMware Horizon Authentication
  - Compare the authentication options that View Connection Server supports
  - Explain the purpose of roles and privileges in VMware Horizon
  - Outline the steps to create a Horizon administrator and a custom role
  - List some of the best practices for configuring Horizon administrators
  
11. Managing VMware Horizon Security
  - Compare tunnels and direct connections for client access to desktops
  - Compare the benefits of using VMware Unified Access Gateway™ in the DMZ
  - Explain a direct connection
  - List the advantages of direct connections
  - Discuss the benefits of using Unified Access Gateway
  - Compare how Unified Access Gateway and the security server are deployed
  - List the two-factor authentication options that are supported by Unified Access Gateway
  - Describe the situations in which you might deploy Unified Access Gateway with one, two, or three network interfaces

## 12. Profile Management Using User Environment Manager

- Identify the User Environment Manager functional areas and their benefits
- List User Environment Manager components
- Describe User Environment Manager and its architecture
- Identify User Environment Manager profile management and its features
- Describe User Environment Manager smart policies

## 13. Creating RDS Desktop and Application Pools

- Explain the difference between an RDS desktop pool and an automated pool
- Describe how a user can access a single application by using the RDS application pool
- Describe the relationship between an RDS host, a farm, and an application pool
- Create an RDS desktop pool and an application pool
- Explain how the View Composer linked-clone technology can automate the build-out of RDS server farms
- Use View Composer linked-clone technology and instant-clone technology to automate the build-out of RDSH farms
- Describe the default and alternative load-balancing feature for RDS hosts that optimizes placement of sessions

## 14. Using App Volumes to Provision and Manage Applications

- Explain how App Volumes works
- Identify the features and benefits of App Volumes
- Identify the interface elements of App Volumes
- Install and configure App Volumes

## 15. Command-Line Tools and Backup Options

- Describe key View Connection Server features that are available as command-line options with the vdmadmin command
- Explain the purpose of kiosk mode for client systems and how it is configured
- Identify the log locations for each VMware Horizon component
- Describe the backup options for VMware Horizon databases
- Explain the potential problems if the databases are not synchronized

## 16. VMware Horizon Performance and Scalability

- Describe the purpose of a replica server
- List several best practices for multiserver deployment in a pod
- Describe the benefits of the Cloud Pod Architecture feature for large-scale VMware Horizon deployments
- Describe the purpose of interpod communication and the View InterPod API
- Explain how global entitlements can benefit a single-pod environment