Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: arrow_learning@arrow.com
Phone: 303 790 2330

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

CODE:	LENGTH:	PRICE:
VM-HICM-7.3	40 Hours (5 days)	$4,250.00

Description

This five-day, hands-on course gives you the skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform.
This course builds your skills in installing, configuring, and managing VMware Horizon® 7 through a combination of lecture and hands-on labs.
You will learn how to configure and deploy pools of virtual machines, how to manage access and security of the machines, and how to provide a customized desktop environment to end users.

Objectives

By the end of the course, you should be able to meet the following objectives:
• Identify VMware Horizon components
• Install and configure View Connection Server
• Install and configure virtual desktops
• Configure and manage VMware Horizon® Client™ systems
• Configure and manage pools of physical and virtual machines
• Configure and manage automated pools of full virtual machines
• Configure and manage pools of linked-clone desktops
• Configure and manage automated pools of instant clones
• Configure and manage Remote Desktop Services (RDS) pools of desktops and applications
• Use Horizon Administrator to configure the VMware Horizon environment
• Configure secure access to virtual desktops
• Use VMware User Environment Manager™ to manage user personalization and application configurations
• Describe steps to deploy profile management
• Use VMware App Volumes™ to provision and manage applications
• Manage the performance and scalability of a VMware Horizon deployment

Audience

Technical personnel who work in the IT departments of end-customer companies and people who are responsible for the delivery of remote or virtual desktop services

Prerequisites

Customers attending this course should have, at a minimum, the following VMware infrastructure skills:
• Use VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
• Open a virtual machine console on VMware vCenter Server® and access the guest operating system
• Create snapshots of virtual machines
• Configure guest customization specifications
• Modify virtual machine properties
• Convert a virtual machine into a template
• Deploy a virtual machine from a template
Attendees should also have the following Microsoft Windows system administration experience:
• Configure Active Directory services, including DNS, DHCP, and time synchronization
• Restrict users' activities by implementing Group Policy objects
• Configure Windows systems to allow Remote Desktop Connections
• Build an ODBC connection to an SQL Server database

Programme

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 (ADM) 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
- Describe the purpose and components of TrueSSO single sign-on

11 Managing VMware Horizon Security
- Compare tunnels and direct connections for client access to desktops
- Compare the benefits of using either the VMware Horizon security server or VMware Access Point™ in the DMZ
- Identify where the tunnel endpoints are in a security server or an Access Point implementation
- Identify the tunnel endpoints when the security gateway is not used
- Explain a direct connection
- List the advantages of direct connections

12 Profile Management Using User Environment Manager
• Identify the use cases and benefits of using User Environment Manager
• Preparing infrastructure for User Environment Management
• Outline the steps that are required to install and configure User Environment Manage components
• Use the User Environment Manage management console and application profiler to manage user personalization and application configurations
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
• Describe the load-balancing options for RDS hosts
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
• Explain why you might want to limit the domains that View Connection Server makes available to end users
• Identify the log locations for each VMware Horizon component
16 VMware Horizon Performance and Scalability
• Describe the purpose of a replica server
• Compare a replica server to a standard connection server
• Explain how multiple VMware Horizon servers maintain synchronization
• List several best practices for multiserver deployment in a pod
• Describe how a load-balancing capability might improve VMware Horizon performance

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.