Course Overview
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.

Course 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

Target 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

**Certifications**

This course prepares you for the following certification:

- [VMware Certified Professional 7 – Desktop and Mobility (VCP7-DTM)](mailto:])

**Course Delivery Options**

- Classroom
- Live Online
- [On Demand](#)
- [Onsite](#)

**Product Alignment**

- [VMware Horizon 7](#)
Course Modules

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 Pools and Desktops
   • Outline the process and choices in setting up VMware Horizon 7 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
   • Identify the steps to set up a template for desktop pool deployment
   • 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

5 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

6 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

7 Creating and Managing Linked-Clone Desktops
   • 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 an automated 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

8 Creating and Managing Instant-Clone 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 7
• Describe the creation of instant clones
• Set up an automated pool of instant clones

9 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

10 VMware Horizon 7 Authentication
• Compare the authentication options that View Connection Server supports
• Describe the purpose of TrueSSO single sign-on
• Identify TrueSSO single sign-on components

11 Managing VMware Horizon Security
• Compare tunnels and direct connections for client access to desktops
• Compare the benefits of using either VMware Horizon Security Server or 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

13 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

14 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

15 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

Contact
If you have questions or need help registering for this course, click here.