Course Outline

VMware Horizon 7: Install, Configure, Manage [V7]

General 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.

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

- 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 Profile
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

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Attendees should have at a minimum 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

Course Details
Course code: VMWHICM7
Duration: 5 days
Starting time: 9am
Finishing time: 4.30pm

Booking guidelines
Contact our learning consultants on 1300 86 87246 and we will assist you with your booking.
Course Outline

Course Introduction
- Review course goals
- Review course objectives
- Review the course outline
- Find additional resources after this course

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

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

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

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

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

Creating and Managing Instant-Clone Pools
- Describe 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

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

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technology can automate
the build-out of RDS server
farms
• Describe the load-balancing
options for RDS hosts

➤ 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

➤ 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

➤ Profile Management Using
User Environment
Manager
• Identify the use cases and
benefits of using User
Environment Manager
• Describe User Environment
Manager and its
architecture
• Explain the User
Environment Manager
functional areas and their
benefits
• Explain User Environment
Manager profile
management and its
features
• Use the User Environment
Manager management
console and application
profiler to manage user
personalization and
application configurations

➤ 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

➤ 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

➤ 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

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