

5 Days

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

This 5-day course helps you to learn the skills necessary to deliver the virtual desktops and applications through the single virtual desktop infrastructure platform. You will be able to install, configure, and manage VMware Horizon® 7; configure and deploy pools of the virtual machine, manage security and access, and deliver a customized desktop environment.

### Course Objective:

On completion of course, you will be able to

- Identify VMware Horizon components
- Install and configure:
  - View Connection Server
  - Virtual desktops
- Configure and manage:
  - VMware Horizon® Client™ systems
  - Physical and virtual machines
  - Automated pools of full virtual machines
  - Linked-clone desktops
  - Automated pools of instant clones
  - Remote Desktop Services (RDS)
  - Secure access to virtual desktops
- Configure VMware Horizon environment using Horizon Administrator
- Deploy Profile management
- Provision and manage applications using VMware App Volumes
- Performance and scalability management
- Manage application configurations and user personalization

## Course Details

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### Course Outline

#### 1 Course Introduction

- Review course goals, objectives, and outline
- Find additional resources

#### 2 Introduction to VMware Horizon

- Features and benefits
- Major functions
- Use cases

#### 3 View Connection Server

- Identify the VMware vSphere® requirements
- Network and firewall configurations
- Licensing and configuration

## 4 VMware Horizon Desktops

- Setting up VMware Horizon virtual machines
- Comparison of the remote display protocols
- List the ports for VMware Horizon operations
- Configuration choices to install Horizon Agent

## 5 VMware Horizon Desktop Pools

- Steps to set up a template for desktop pool deployment
- Steps to add desktops to the View Connection Server inventory
- Desktop entitlement
- Global policies, pool-level policies, and user-level policies
- View Group Policy administrative template files

## 6 Horizon Client Options

- Horizon Client installation
- USB redirection and options
- Power states for desktops
- Thin client VS system running Horizon Client
- Architecture, Configuration, and Benefits of Virtual Printing
- Location-based printing feature

## 7 Creating Automated Pools of Full Virtual Machines

- Automated pool operations
- Dedicated-assignment vs floating-assignment pools
- Creation of an automated pool

## 8 Creating and Managing Linked-Clone Desktop Pools

- VMware linked-clone technology
- Use of a parent virtual machine and a snapshot
- System requirements for View Composer
- Persistent disk and the system disk
- Set up a desktop pool
- Parent and replica virtual machines
- Linked-clone and persistent disks management operations

## 9 Creating and Managing Instant-Clone Desktop Pools

- Requirements and advantages of instant clones
- View Composer and instant clones
- Types of instant-clone virtual machines
- Set up an automated pool of instant clones
- Instant-clone creation and limitations

## 10 VMware Horizon Authentication

- Authentication options to View Connection Server supports
- Roles and privileges in VMware Horizon
- Create a Horizon administrator and a custom role
- Best practices to configure Horizon administrators

## 11 Managing VMware Horizon Security

- Tunnels and direct connections
- Benefits of using VMware Unified Access Gateway™ in the DMZ
- Benefits of using Unified Access Gateway
- Unified Access Gateway and the security server deployment
- Two-factor authentication options
- Deploy Unified Access Gateway with one, two, or three network interfaces

## 12 Profile Management Using User Environment Manager

- Components, Functional areas and their benefits
- Architecture, profile management, features, and smart policies

### 13 Creating RDS Desktop and Application Pools

- RDS desktop pool and an automated pool creation
- Access a single application
- Relationship between an RDS host, a farm, and an application pool
- Automate the build-out of RDSH farms and RDS server farms
- Default and alternative load-balancing feature

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

- App Volumes, features and benefits
- Interface elements, Installation and configuration

### 15 Command-Line Tools and Backup Options

- Key View Connection Server features
- Kiosk mode for client systems and how its configuration
- Log locations for each VMware Horizon component
- Backup options for VMware Horizon databases

### 16 VMware Horizon Performance and Scalability

- Replica server, best practices for multi-server deployment
- Benefits of the Cloud Pod Architecture feature
- Interpod communication and the View InterPod API
- Global entitlements

## Who Should Attend

Technical personnel working in IT department

## Pre Requisite

The participants must have the VMware infrastructure skills like

- Use VMware vSphere® Web Client
- Open a virtual machine console on VMware vCenter Server®
- Create snapshots of virtual machines
- Convert and deploy a virtual machine into a template

Moreover, they should have Microsoft Windows system administration experience:

- Configure Active Directory services
- Implement Group Policy objects
- Configure Windows systems
- 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)

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