

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

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **5 Gün**

## **Overview**

Bu beş günlük uygulamalı eğitimde katılımcılara tek bir sanal masaüstü altyapısı platformu üzerinden sanal masaüstü ve uygulamalarını sunmak için gereken beceriler verilmektedir. Bu eğitim, hem ders anlatımı hem de uygulamalı laboratuvarlar ile VMware Horizon® 7'nin kurulması, yapılandırılması ve yönetilmesi için gereken becerileri kazandırmaktadır. Bu eğitimle sanal makine havuzlarını nasıl yapılandırıp kuracağınızı, makinelerin erişimi ve güvenliğini nasıl yöneteceğinizi ve son kullanıcılar için özelleştirilmiş bir masaüstü ortamını nasıl sunacağınızı öğreneceksiniz.

## **Ürün Uyumu**

- VMware Horizon 7.7
- User Environment Manager 9.5
- App Volumes Manager 2.15

## **Prerequisites**

### **Technical pre-requisites**

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 enable Remote Desktop Connections
- Build an ODBC connection to an SQL Server database

## **What You Will Learn**

- 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
- Identify the benefits of JMP architecture
- Manage the performance and scalability of a VMware Horizon deployment

## **Outline**

### 1 Course Introduction

- Introductions and course logistics
- Course objectives
- Describe the software-defined data center

### 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
- Monitor the VMware Horizon environment using the dashboard
- Use the VMware Horizon Helpdesk tool to troubleshoot VMware Horizon

### 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

- Enlist the requirements for a Horizon Client installation
- Install Horizon Client and connect to a virtual desktop
- Explain USB redirection and options
- Define and compare a thin client with a system running Horizon Client
- Use Virtual Printing for location-based printing

### 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
- Enlist 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 types of instant-clone virtual machines
- Enlist the requirements of instant clones
- Outline the steps to set up an automated pool that uses 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 VMware Horizon administrator and a custom role
- List some of the best practices for configuring VMware Horizon administrators
- Configure Horizon Server to use a new TLS Certificate

## 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
- List the advantages of direct connections
- Discuss the benefits of using Unified Access Gateway
- List the two-factor authentication options that are supported by Unified Access Gateway
- Configure a Unified Access Gateway Appliance

## 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
- Install User Environment Manager
- 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
- Use View Composer and Instant Clone 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 JMP and Horizon 7 Overview

- Identify the benefits of JMP
- Enlist the JMP and Horizon 7 components
- Identify JMP deployment considerations
- Install and configure JMP Server

## 16 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

## 17 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
- Explain how global entitlements can benefit a single-pod environment