

# VMware Horizon 8: Infrastructure Administration

**Course Duration: 16 Hours**

**Course code: VMware Horizon 8**

## 1. Course Overview

This two-day, hands-on course equips you with the skills to install and configure a virtual desktop infrastructure platform. Through a combination of lectures and hands-on labs, you will learn how to install and configure VMware Horizon®, VMware Horizon® Connection Server™, and VMware Unified Access Gateway™. You will also learn how to configure a load balancer for use with Horizon and how to establish Cloud Pod Architecture.

## 2. What you'll learn?

**By the end of the course, you should be able to meet the following objectives:**

- Identify Horizon Connection Server installation, architecture, and requirements.
- Describe the authentication and certification options for a Horizon environment
- Recognize the integration process and benefits of VMware Workspace ONE® Access™ and Horizon 8
- Discuss performance and scalability options available in Horizon 8
- Describe different security options for the Horizon environment

## 3. Target Audience

Administrators and architects for VMware Horizon should enroll in this course. These individuals are responsible for the implementation, maintenance, and administration of an organization's end-user computing infrastructure.

## 4. 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 user activities by implementing Group Policy objects
- Configure Windows systems to enable Remote Desktop Connections
- Build an ODBC connection to an SQL Server database

## 5. Course content

### Course Introduction

- Introductions and course logistics
- Course objectives

### Module 2: Horizon Connection Server

- Recognize VMware Horizon reference architecture
- Identify the Horizon Connection Server supported features
- Identify the recommended system requirements for Horizon Connection Server

- Configure Horizon event database
- Outline the steps for the initial configuration of Horizon Connection Server
- Discuss the ADAM database as a critical component of Horizon Connection Server installation

### **Module 3: VMware Horizon Authentication and Certificates**

- Compare the authentication options that Horizon Connection Server supports
- Describe the Smartcard authentication options that Horizon Connection Server supports
- Outline the steps to create a Horizon administrator and custom roles
- Describe the roles available in a Horizon environment
- Explain the role that certificates play for Horizon Connection Server
- Install and configure certificates for Horizon Connection Server
- Install and configure True SSO in a Horizon environment

### **Module 4: Workspace ONE Access & Virtual Application Management**

- Recognize the features and benefits of Workspace ONE Access
- Recognize the Workspace ONE Access console features
- Explain identity management in Workspace ONE Access
- Explain access management in Workspace ONE Access
- Describe the Workspace ONE Access directory integration
- Deploy virtual applications with Workspace services

### **Module 5: VMware Horizon Performance and Scalability**

- Describe the purpose of a replica connection server
- Explain how multiple Horizon Connection Server instances in a pod maintain synchronization
- Describe the 3D rendering options available in Horizon 8
- List the steps to configure graphics cards for use in a Horizon environment

- Configure a load balancer for use in a Horizon environment
- Explain Horizon Cloud Pod Architecture LDAP replication and VIPA
- Explain Horizon Cloud Pod Architecture scalability options

## **Module 6: Managing VMware Horizon Security**

- Explain concepts relevant to secure Horizon connections
- Describe how to restrict Horizon connections
- Discuss the benefits of using Unified Access Gateway
- List the two-factor authentication options that are supported by Unified Access Gateway
- List Unified Access Gateway firewall rules
- Describe the situations in which you might deploy Unified Access Gateway instances with one, two, or three network interfaces

