



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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CODE:	LENGTH:	PRICE:
VMW_HIA8	16 Hours (2 days)	£1,290.00

## Description

This two-day, hands-on course gives you the skills to install and configure a virtual desktop infrastructure platform. This course builds your skills in installing and configuring VMware Horizon® through a combination of lecture and hands-on labs. You learn how to install and configure VMware Horizon® Connection Server™, VMware Unified Access Gateway™, how to configure a load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

## Objectives

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

## 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.

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

## Programme

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

## 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

## 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

## 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
- • Describe the Workspace ONE Access directory integration
- • Deploy virtual applications with Workspace services

## 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

## 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 situation in which you might deploy Unified Access Gateway instances with one, two, or three network interfaces

## Test and Certification

VMware Horizon 8: Infrastructure Administration is the second half of a two-course requirement for the following certification:

- • VMware Certified Professional

– Desktop and Mobility 2020 (VCP-DTM 2020).

VMware Horizon 8: Skills for Virtual Desktop Management satisfies the first requirement. The courses are also available as a single, bundled offering, VMware Horizon 8: Deploy and Manage, which meets the certification requirement on its own.

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

This training is also available as onsite training. Please contact us to find out more.