



## TRAINING OFFERING

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# vmware® VMware Horizon 8: Virtual Desktop Bootcamp

CODE:	LENGTH:	PRICE:
VMW_HVDB8	40 Hours (5 days)	£3,230.00

## Description

VMware Horizon® 8: Virtual Desktop Bootcamp is a five-day combination course of VMware Horizon 8: Skills for Virtual Desktop Management and VMware Horizon 8: Virtual Desktop Troubleshooting. This training combination gives you the skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. You build skills in configuring and managing VMware Horizon 8 through a combination of lecture and hands-on labs. You learn how to configure and deploy pools of virtual machines and how to provide a customized desktop environment to end-users. Additionally, you learn how to resolve common issues that occur in a VMware Horizon environment. You engage in a series of lab exercises to bring existing environment issues to resolution. The exercises mirror real-world troubleshooting use cases. These exercises equip learners with the knowledge and practical skills to manage typical challenges faced by virtual desktop administrators and operators.

## Objectives

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

- • Recognize the features and benefits of Horizon
- • Use VMware vSphere® to create VMs to be used as desktops for Horizon
- • Create and optimize Windows VMs to create Horizon desktops
- • Install and configure Horizon Agent on Horizon desktop
- • Configure and manage the VMware Horizon® Client™ systems and connect the client to a VMware Horizon desktop
- • Configure, manage, and entitle desktop pools of full VMs
- • Configure, manage, and entitle pools of instant-clone desktops
- • Create and use Remote Desktop Services (RDS) desktops and application pools
- • Monitor the Horizon environment using Horizon Console Dashboard and Horizon Help Desk Tool
- • Implement a structured approach to troubleshooting
- • Resolve common issues that occur in a Horizon environment
- • Troubleshoot issues with linked and instant clones
- • Configure the Windows client
- • Identify the correct log level for gathering logs
- • Optimize protocols for the best end-user experience

## Audience

Operators, administrators, and architects responsible for the creation, maintenance, or delivery of remote and 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

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 Introduction to VMware Horizon

- • Recognize the features and benefits of VMware Horizon
- • Describe the conceptual and logical architecture of VMware Horizon

### 3 Introduction to Use Case

- • Define a use case for your virtual desktop and application infrastructure
- • Convert customer requirements to use-case attributes

### 4 vSphere for Horizon 8

- • Explain basic virtualization concepts
- • Use VMware vSphere

### Ⓢ Client™ to access your vCenter Server system and VMware ESXi™ hosts

- • Create, provision, and remove a virtual machine

### 5 VMware Horizon Desktops

- • Create a Windows and a Linux virtual machine using vSphere
- • Optimize and prepare Windows and Linux virtual machines to set up VMware Horizon desktop VMs

### 6 VMware Horizon Agents

- • Outline the configuration choices when installing Horizon Agent on Windows and Linux virtual machines
- • Create a gold master for Windows Horizon desktops

### 7 VMware Horizon Pools

- • Identify the steps to set up a template for desktop pool deployment
- • List the steps to add desktops to the VMware Horizon

### Ⓢ Connection Server™ inventory

- • Compare dedicated-assignment and floating-assignment pools
- • Outline the steps to create an automated pool
- • Define user entitlement
- • Explain the hierarchy of global, pool-level, and user-level policies

### 8 VMware Horizon Client Options

- • Describe the different clients and their benefits
- • Access Horizon desktop using various Horizon clients and HTML
- • Configure integrated printing, USB redirection, and the shared folders option
- • Configure session collaboration and media optimization for Microsoft Teams

### 9 Creating and Managing Instant-Clone Desktop Pools

- • List the advantages of instant clones
- • Explain the provisioning technology used for instant-clone desktop pools
- • Set up an automated pool of instant clones
- • Push updated images to instant-clone desktop pools

### 10 Creating RDS Desktop and Application Pools

- • Explain the difference between an RDS desktop pool and an automated pool
- • Compare and contrast an RDS session host pool, a farm, and an application pool
- • Create an RDS desktop pool and an application pool
- • Access RDS desktops and application from Horizon Client
- • Use the instant clone technology to automate the build-out of RDSH farms

- • Configure load-balancing for RDSHs on a farm

#### 11 Monitoring VMware Horizon

- • Monitor the status of the VMware Horizon components using the Horizon Administrator console dashboard
- • Monitor desktop sessions using the HelpDesk tool

#### 12 Overview of Virtual Desktop Troubleshooting

- • Structured approach to troubleshooting configuration and operational problems
- • Applying troubleshooting methods

- •  
Documenting the steps to resolve the problem

#### 13 Command-Line Tools and Backup Options

- • Command-line tools
- • Backing-up and restoring VMware Horizon databases

#### 14 Troubleshooting VMware Horizon Linked Clone Desktops

- • VMware Horizon linked clone desktops
- • View Agent Direct-Connection
- • Optimizing a VMware Horizon desktop

#### 15 Troubleshooting Instant Clones

- • Logs for instant clones
- • Keyword strategies
- • Troubleshoot instant clones

#### 16 Windows Client

- • Configure the Windows client
- • Enable the required SSL configuration

#### 17 Ports and Protocols

- • Key ports and protocols
- • Optimize Blast
- • Black Screen
- • Applying GPO's

### **Test and Certification**

VMware Horizon 8: Skills for Virtual Desktop Management is the first half of a two-course requirement for the following certification:

- • VMware Certified Professional

– Desktop and Mobility 2020 (VCP-DTM 2020)

VMware Horizon 8: Virtual Desktop Troubleshooting does not satisfy a course requirement for the VCP-DTM exam.

### **Session Dates**

On request. Please [contact us](#)

### **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)