

# VMware Horizon 8: Virtual Desktop Bootcamp

Price  
**\$4,250.00**

Duration  
**5 Days**

Delivery Methods  
**VILT, Private Group**



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.

## Course 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)

**This class is not currently scheduled.**

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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

## **Agenda**

### **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