VMware Horizon 8: Virtual Desktop Bootcamp

Duration: 5 Days   Course Code: VMHVDB

Overview:

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.
Product Alignment: VMware Horizon 8 v2006

Target Audience:

Operators, administrators, and architects responsible for the creation, maintenance, or delivery of remote and virtual desktop services.

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

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

Testing 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 20202)

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

■ Configure Windows systems to enable Remote Desktop
  Connections
■ Build an ODBC connection to an SQL Server database

Content:

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

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

- Structured approach to troubleshooting configuration and operational problems
- Applying troubleshooting methods
- Documenting the steps to resolve the problem

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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