QuickStart

Over 35 Years Of Technology Training

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Learning Style: Virtual Classroom

Provider: VMware

Difficulty: Intermediate

Course Duration: 3 Days

VMware Horizon 8: Skills for Virtual Desktop Management

About this Course:

This three-day, hands-on course gives you the skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. This course builds your 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.

Course 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

Audience:

- Operators, administrators, and architects for VMware Horizon should enroll in this course. These individuals are responsible for the creation, maintenance, and or delivery of remote and virtual desktop services.

Prerequisites:

Students 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

Course Outline:

1 Course Introduction
- Introductions and course logistics
- Course objectives

2 Introduction to VMware Horizon
- Recognize the features and benefits of Horizon
- Describe the conceptual and logical architecture of 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 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 Horizon components using the Horizon Administrator console dashboard

- Monitor desktop sessions using the HelpDesk tool

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