Vmware

VMware Horizon: Install, Configure, Manage 7.10

Modality: Virtual Classroom

Duration: 5 Days

About this Course:

During this five-day boot camp, students will learn how to install, configure, and manage VMware. Students also learn how to configure and deploy pools of virtual machines, how to manage the access and security of the machines, and how to provide a customized desktop environment to end-users.

This course is intended for IT Personnel to work with end-customer companies and are responsible for the delivery of remote or virtual desktop services

Course Objectives:

- Identify VMware Horizon components
- Install and configure View Connection Server
- Install and configure virtual desktops
- Configure and manage VMware Horizon ClientTM systems
- Configure and manage pools of physical and virtual machines
- Configure and manage automated pools of full virtual machines
- Configure and manage pools of linked-clone desktops
- Configure and manage automated pools of instant clones
- Configure and manage Remote Desktop Services (RDS) pools of desktops and applications
- Use Horizon Administrator to configure the VMware Horizon environment
- Configure secure access to virtual desktops
- Use VMware User Environment Manager to manage user personalization and application configurations
- Describe steps to deploy profile management
- Use VMware App volumes to provision and manage applications
- Identify the benefits of JMP architecture
- Manage the performance and scalability of a VMware Horizon deployment

Audience:

- Technical personnel who work in the IT departments of end-customer companies and people who are responsible for the delivery of remote or 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
- 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 C

Course Outline:

Module 1: Introduction to VMware Horizon

- Recognize the features and benefits of VMware Horizon
- Identify the major function of each VMware Horizon Component
- Define a use case for your virtual desktop and application infrastructure

Module 2 View Connection Server

- Identify the system and virtualization requirements for a View Connection server
- License VMware Horizon components
- Configure View Connection Server
- Use the dashboard to quickly focus on the details of a problem
- Identify the benefits of using the VMware Horizon Help Desk tool

Module 3: VMware Horizon Desktops

- Outline the process and choices in setting up VMware Horizon virtual machines
- Compare the remote display protocols that are available in VMware Horizon
- Outline the configuration choices when installing Horizon Agent

Module 4: VMware Horizon Desktop Pools

- Identify the steps to set up a template for desktop pool deployment
- List the steps to add desktops to the View connection Server inventory
- Define desktop entitlement
- Describe how information on the Users and Groups page can be used to control and monitor Horizon users
- Explain the hierarchy of global policies, pool-level policies, and user-level policies

- List the Horizon Group Policy Administrative Template files

Module 5: Horizon Client Options

- Enlist the requirements for a Horizon Client Installation
- Install Horizon Client and connect to a virtual desktop
- Explain USB redirection and options
- Define and compare a think client with a system running Horizon Client

Module 6: Creating Automated Pools of Full Virtual Machines

- Recognize how an automated pool operates
- Compare dedicate-assignment and floating-assignment pools
- Outline the steps to create an automated pool

Module 7: Creating and Managing Linked-Clone Desktop Pools

- Describe the VMware linked-clone technology
- Enlist the system requirements for View Composer
- Outline the steps to install View Composer
- Outline the steps necessary to set up a desktop pool that uses linked clones
- Compare the purpose of the parent and the replica virtual machines
- Compare the recompose, refresh, and rebalance management operations for linked clones
- Describe the management operations for persistent disks

Module 8: Created and Managing Instant-Clone Desktop Pools

- Identify the advantages of instant clones
- Differentiate between View composer linked clones and instant clones
- Identify the types of instant-clone virtual machines
- Enlist the requirements of instant clones
- Outline the steps to set up an automated tool that uses instant clones
- Set up an automated pool of instant clones
- Update the image of an instant clone desktop pool using the push-image operation

Module 9: VMware Horizon Authentication

- Compare the authentication options that View Connection Server supports
- Explain the purpose of roles and privileges in VMware Horizon
- Outline the steps to create a Horizon administrator and a custom role
- List some of the best practices for configuring Horizon administrators
- Configure Horizon Server to use a new TLS Certificate

Module 10: Managing VMware Horizon Security

- Compare tunnels and direct connections for client access to desktops
- Compare the benefits of using VMware Unified Access Gateway in the DMZ
- List the advantages of direct connections
- Discuss the benefits of using Unified Access Gateway
- List the two-factor authentication option that is supported by Unified Access Gateway
- Configure a Unified Access Gateway appliance

Module 11: Profile Management Using User Environment Manager

- Identify the User Environment Manager functional areas and their benefits
- Outline the steps that are required to install and configure User Environment Manager Components
- Manage user personalization using the User Environment Manager Management Console
- Install User Environment manager
- Describe User Environment smart policies

Module 12: Creating RDS Desktop and Application Pools

- Explain the difference between an RDS desktop pool and an automated pool
- Access a single application by using the RDS application pool
- Compare and contrast an RDSH desktop pool, a farm, and an application pool
- Create an RD desktop pool and an application pool
- Identify the load-balancing options for Remote Desktop Session Hosts

Module 13: Using App Volumes to Provision and Manage Applications

- Explain how App volumes work
- Identify the features and benefits of App Volumes
- Identify the interface elements of App Volumes
- Install and configure App Volumes

Module 14: JMP and Horizon 7 Overview

- Identify the benefits of JMP
- Enlist the JMP and Horizon 7 Components
- Identify JMP deployment considerations
- Install and configure JMP Server

Module 15: Command-Line Tools and Backup options

- Describes key View Connection Server features that are available as command-line options

with the vdmadmin command
- Explain the purpose of kiosk mode for client systems and how it is configured
- Identify the log locations for each VMware Horizon component
- Describe the backup options for VMware Horizon databases

Module 16: VMware Horizon Performance and Scalability

- Describe the purpose of a replica server
- List serval best practices for multi-server deployment in a pod
- Describe the benefits of the Cloud Pod
- Describe the benefits of the Cloud Pod Architecture feature for large-scale VMware Horizon deployments
- Establish a session with a desktop machine in a different pod by logging in to a local View Connection Server instance
- Create Global entitlements for accessing Horizon Desktops