VMWARE HORIZON 8: DEPLOY AND MANAGE

APP

Course Level:
Professional

Course Duration:
5 Days

Course Overview:

This five-day VMware Horizon 8: Deploy and Manage training course from CloudThat is a combination course of VMware Horizon 8: Skills for Virtual Desktop Management & VMware Horizon 8: Infrastructure Administration. In this course, candidates learn how to configure and deploy virtual machines and provide a customized desktop environment to end-users. Additionally, candidates also learn how to install and configure VMware Horizon Connection Server, VMware Unified Access Gateway, load balancer, and how to establish Cloud Pod Architecture.

By enrolling in our VMware Horizon 8: Deploy and Manage training program, candidates acquire the necessary knowledge and skills to clear the final exam successfully. Candidates attending our training get access to the authored curriculum and can learn through engaging and interactive sessions delivered by VMware certified in-house trainers.

Product Alignment

VMware Horizon 8 v2103

Prerequisites

Customers attending this course should have, at a minimum, the following 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 Connections
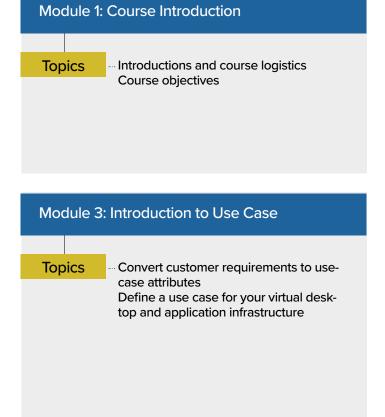- Build an ODBC connection to an SQL Server database

Objectives

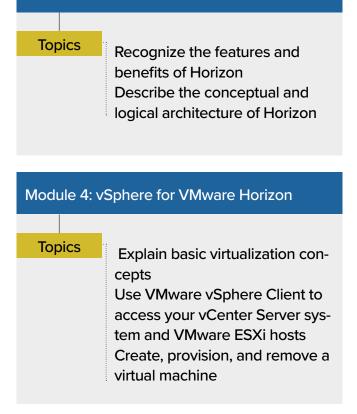- Recognize the features and benefits of VMware Horizon

- Define a use case for your virtual desktop and application infrastructure

- Use vSphere to create VMs to be used as desktops for VMware Horizon

- Create and optimize Windows VMs to create VMware Horizon desktops

- Install and Configure Horizon Agent on a VMware Horizon desktop

- Configure, manage, and entitle desktop pools of full VMs

- Configure and manage the VMware Horizon Client systems and connect the client to a VMware Horizon desktop

- Configure, manage, and entitle pools of instant-clone desktops

- Create and use Remote Desktop Services (RDS) desktops and application pools

- Monitor the VMware Horizon environment using the VMware Horizon console Dashboard and Horizon Help Desk Tool

- Identify VMware Horizon Connection Server installation, architecture, and requirements

- Describe the authentication and certificate options for a Horizon environment

- Recognize the integration process and benefits of Workspace ONE Access and Horizon 8

- Compare the remote display protocols that are available in VMware Horizon

- Describe the 3D rendering options available in Horizon 8

- Discuss scalability options available in Horizon 8

- Describe different security options for Horizon environment

Course Outline

Want to make a career in virtualization? Move up the corporate ladder with a list of VMware cloud certifications from CloudThat. Grab up to **30% discount** on any of our 45+ VMware certification courses.

Enroll Today!

Course Outline

Module 1: Course Introduction

Topics
Introductions and course logistics
Course objectives

Module 2: Introduction to VMware Horizon

Topics
Recognize the features and benefits of Horizon
Describe the conceptual and logical architecture of Horizon

Module 3: Introduction to Use Case

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

Module 4: vSphere for VMware Horizon

Topics
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

Course Outline

Module 5: VMware Horizon Desktop

Topics

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

Module 6: VMware Horizon Agent

Topics

Outline the configuration choices when installing Horizon Agent on Windows and Linux virtual machines
Create a golden image for Windows and Linux Horizon desktops

Module 7: VMware Horizon Pools

Topics

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

Module 8: VMware Horizon Client Options

Topics

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

Course Outline

Module 9: Creating and Managing Instant-Clone Desktop Pools

Topics

- 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

Module 10: VCreating RDS Desktop and Application Pools

Topics

- 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

Module 11: Monitoring VMware Horizon

Topics

- Monitor the status of the Horizon components using the Horizon Administrator console dashboard
- Monitor desktop sessions using the HelpDesk tool
- Monitor the performance of the remote desktop using the Horizon Performance Tracker

Module 12: Horizon Connection Server

Topics

- Recognize VMware Horizon reference architecture
- Identify the Horizon Connection Server supported features
- Identify the recommended system requirements for Horizon Connection Server
- Configure Horizon event database
- Outline the steps for the initial configuration of Horizon Connection Server
- Discuss the AD LDS database as a critical component of Horizon Connection Server installation

Course Outline

Module 13: Authentication and Certificates

Topics

Compare the authentication options that Horizon Connection Server supports

Describe the Smartcard authentication options that Horizon Connection Server supports

Outline the steps to create a Horizon administrator and custom roles

Describe the roles available in a Horizon environment

Explain the role that certificates play for Horizon Connection Server

Install and configure certificates for Horizon Connection Server

Install and configure True SSO in a Horizon environment

Module 14: Workspace ONE Access and Virtual Application Management

Topics

Recognize the features and benefits of Workspace ONE Access

Recognize the Workspace ONE Access console features

Explain identity management in Workspace ONE Access

Explain access management in Workspace ONE Access

Describe the Workspace ONE Access directory integration

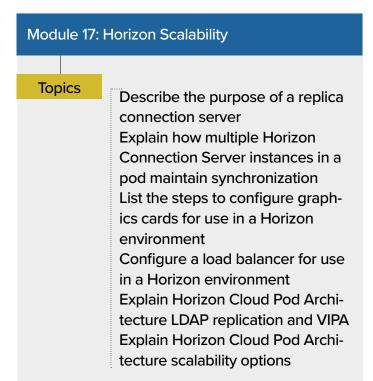Deploy virtual applications with Workspace services
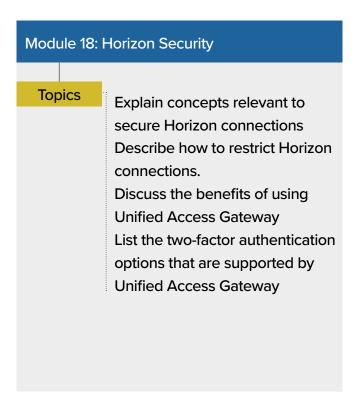
Module 15: Horizon Protocols

Topics

Compare the remote display protocols that are available in VMware Horizon

Describe BLAST

Describe the BLAST Display Protocol Codecs

Summarize BLAST Codec options

List ideal applications for each BLAST codec

Describe BLAST and PCoIP ADMX GPO common configurations

Module 16: Graphics Cards

Topics

Describe the 3D rendering options available in Horizon 8

Compare vSGA and vDGA

List the steps to configure graphics cards for use in a Horizon environment

Course Outline

Module 17: Horizon Scalability

Topics

Describe the purpose of a replica connection server

Explain how multiple Horizon Connection Server instances in a pod maintain synchronization

List the steps to configure graphics cards for use in a Horizon environment

Configure a load balancer for use in a Horizon environment

Explain Horizon Cloud Pod Architecture LDAP replication and VIPA

Explain Horizon Cloud Pod Architecture scalability options

Module 18: Horizon Security

Topics

Explain concepts relevant to secure Horizon connections

Describe how to restrict Horizon connections.

Discuss the benefits of using Unified Access Gateway

List the two-factor authentication options that are supported by Unified Access Gateway

Who Should Enroll for this Course?

Tier 1 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. Additional duties can include the implementation, support, and administration of an organization's end-user computing infrastructure.

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K+ IT professionals from fortune 500 companies on technologies such cloud, Artificial Intelligence, Machine Learning, IoT, OpenStack, OpenShift, DevOps, MongoDB, Big Data and more.

Through sheer dedication and excellence in the field of cloud training, CloudThat has recently being recognized as **VMware Authorized Training Reseller**. In addition, CloudThat is a proud Microsoft Gold Partner, AWS Advanced Consulting Partner, Google Cloud Platform Partner, and Databricks Partner. Recently, we have won the Microsoft Asia Superstar Campaign for India-2021 for being a global leader in providing cloud training and consultancy services with exemplary track record.

Our Success Track

10+ Years of Experience	100+ Corporates served	28+ countries catered
500K+ Professionals trained	200+ Projects delivered	350+ Cloud certifications

To know more about our VMware certification training, email at **sales@cloudthat.com** or call us at **+918880002200.**