

# VMWARE HORIZON 8: INFRASTRUCTURE ADMINISTRATION



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Course Level:

Intermediate

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Course Duration:

2 Days

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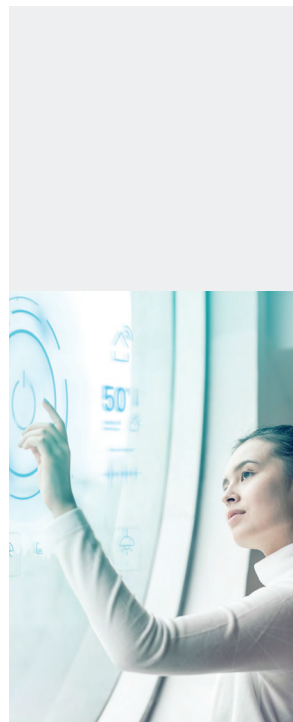
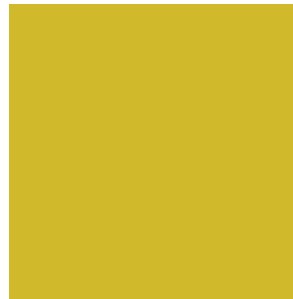
## Course Overview:

During this two-day VMware Horizon 8: Infrastructure Administration training course from CloudThat, candidates get to learn how to install and configure virtual desktop infrastructure platform. This course teaches candidates how to install and configure VMware Horizon and VMware Horizon Connection Server, VMware Unified Access Gateway, and load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

By enrolling in our VMware Horizon 8: Infrastructure Administration 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 V2111










# Prerequisites

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- 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 Connections
  - Build an ODBC connection to an SQL Server database

# Objectives

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-  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

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## Course Outline

### Module 1: Course Introduction

#### Topics

- Introductions and course logistics
- Course objectives

### Module 2: 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

## Module 3: 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 4: 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

# Course Outline

## Module 5: 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 6: 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

## Module 7: 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

# Course Outline

## Module 8: 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
- List Unified Access Gateway firewall rules
- Describe the situation in which you might deploy Unified Access Gateway instances with one, two, or three network interfaces



## Who Should Enroll for this Course?

Tier 1 Administrators and architects for VMware Horizon should enroll in this course. These individuals are responsible for the implementation, maintenance, and administration of an organization's end-user computing infrastructure.

## About CloudThat

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Established in 2011, CloudThat is a leading Cloud Training and Cloud Consulting services provider in India, USA, Asia, Europe, and Africa. Being a pioneer in the Cloud domain, CloudThat has special expertise in catering to mid-market and enterprise clients in all the major Cloud service providers like AWS, Microsoft, GCP, VMware, Databricks, HP, and more. Uniquely positioned to be a single source for both training and consulting for cloud technologies like Cloud Migration, Data Platforms, DevOps, IoT, and the latest technologies like AI/ML, it is a top-tier partner with AWS and Microsoft, winning more than 8 awards combined in 11 years. Recently, it was awarded the prestigious AWS Training Partner of the Year 2023 and won the Microsoft Superstars FY 2023 award in Asia & India. Leveraging their position as a leader in the market, CloudThat has trained 650k+ professionals in 500+ cloud certifications and delivered 300+ consulting projects for 100+ corporates in 28+ countries.

## Our Success Track

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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](mailto:sales@cloudthat.com) or call us at +918880002200.

