

VMware Horizon 8: Deploy and Manage

This five-day course provides you with the practical skills to deploy virtual desktops and applications from a single virtual desktop infrastructure platform. Through a combination of lectures and hands-on labs, you will deepen your knowledge of configuring and managing Horizon® 8, learn how to configure and deploy pools of virtual machines, and how to provide end users with a customized desktop environment. You will also learn how to install and configure a virtual desktop infrastructure platform. You will learn how to install and configure Horizon® Connection Server™ and Unified Access Gateway™, how to configure a load balancer for use with Horizon, and how to set up a Cloud Pod Architecture.

Course Contents

- Recognize the features and benefits of Horizon
- Use 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 a Horizon desktop
- Configure, manage, and entitle desktop pools of full VMs
- Configure and manage the Horizon Client systems and connect the client to a Horizon desktop
- 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 the Horizon Console Dashboard & Horizon Help Desk Tool
- Identify Horizon Connection Server installation, architecture, and requirements
- Describe the authentication and certificate options for the Horizon environment
- Recognize the integration process and benefits of Omnissa® Access™ and Horizon 8
- Compare the remote display protocols that are available in Horizon
- Describe the 3D rendering options available in Horizon 8
- Discuss scalability options available in Horizon 8
- Describe different security options for the Horizon environment.

Participants will receive English-language documents from Omnissa to download during the course.

Target Group

Tier 1 operators, administrators and architects responsible for creating, maintaining and/or deploying remote and virtual desktop services.

Other duties may include:

Implementing, supporting and managing the computing infrastructure for an organization's end users.

Prerequisites

The following knowledge is required to take this course:

- Use vSphere Web Client
- Create virtual machine snapshots
- Configure guest customization specifications
- Modify virtual machine properties
- Convert a virtual machine to a template
- Microsoft Windows System Administration

Experience:

- Configuring Active Directory services, including DNS, DHCP and time synchronization
- Restricting user activity by implementing Group Policy Objects
- Configuring Windows systems to enable Remote Desktop connections

Course Target

Participation in the course is required for certification as an Omnissa Certified Professional Desktop (OCP-D)

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/VHDM

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.	
Classes in Germany		5 Days	€ 3,295
Online Training		5 Days	€ 3,295
Date/course venue		Course language German 	
12/05-16/05/25	 Frankfurt	23/06-27/06/25	 Düsseldorf
12/05-16/05/25	 Online	23/06-27/06/25	 Online

Status 04/30/2025

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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

12 Course Introduction

- Introductions and course logistics

- Course objectives

13 Horizon Connection Server

- Recognize VMware Horizon reference architecture

- Identify the Horizon Connection Server supported features

- Identify the recommended system requirements for Horizon Connection Server

- Configure the Horizon event database

- Outline the steps for the initial configuration of Horizon Connection Server

- Discuss the ADAM database as a critical component of Horizon Connection Server installation

14 VMware Horizon Authentication and Certificates

- 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

15 Workspace ONE Access & Virtual Application Management

- 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

- Describe the Workspace ONE Access directory integration

- Deploy virtual applications with Workspace services

16 VMware Horizon Performance and Scalability

- Describe the purpose of a replica connection server

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

- Describe the 3D rendering options available in Horizon 8

- 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

17 Managing VMware Horizon Security

- 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

