Horizon® 8: Install, configure, and manage Training

Duration: **5 Day**

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Horizon® 8: Install, Configure, and Manage is a comprehensive technical course designed to develop the skills required to install, configure, and operate Omnissa Horizon 8 environments at enterprise scale.

Delivered by an Omnissa Certified Instructor, the course introduces participants to the Horizon 8 architecture and the components involved in delivering virtual desktops and applications. Key areas include the configuration of **Horizon Connection Server, desktop pools, Horizon Client, Horizon Agent, RDS farms, Unified Access Gateway**, and additional authentication capabilities.

The programme goes beyond initial deployment by addressing the operational requirements of production Horizon environments. Participants explore Windows and Linux gold image preparation, user entitlements, published applications, monitoring, troubleshooting, device redirection, pod scaling, load balancing, backup, recovery, and platform upgrades.

Hands-on labs, simulations, and interactive instruction provide practical opportunities to apply Horizon 8 capabilities to a range of enterprise desktop and application delivery requirements.

Prerequisites

Participants are recommended to have:

- An understanding of fundamental networking, storage, and infrastructure concepts,
- Working knowledge of Horizon 8,
- Experience or background in End-User Computing.

Who Should Attend

This course is intended for **intermediate to advanced IT practitioners** responsible for designing, installing, managing, optimising, or troubleshooting enterprise desktop and application environments.

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What You Will Learn

By the end of the course, participants will be able to:

- Explain Horizon 8 architecture, core components, and connection workflows,
- Install and perform initial configuration of Horizon Connection Servers,
- Create and manage desktop pools for scalable virtual desktop delivery,
- Configure Horizon Client for secure access to desktops and applications,
- Install, configure, apply policies to, and upgrade Horizon Agent for Windows,
- Build optimised Windows gold images for standardised VDI deployments,
- Configure RDS server farms and published applications,
- Prepare and deploy Linux virtual desktops with Horizon 8,
- Deploy Unified Access Gateway for secure external connectivity,
- Monitor Horizon infrastructure and troubleshoot user sessions,
- Configure content and device redirection according to security and user experience requirements,
- Scale Horizon pods to address capacity, performance, and resilience requirements,
- Implement multi-pod and multi-site Horizon architectures,
- Plan and perform backup, recovery, and upgrade activities,
- Strengthen access security through additional authentication options.

Training Outline

Course Introduction

- Course scope and structure
- Learning objectives
- Practical approach to Horizon 8 administration

Horizon 8 Overview and Architecture

- Introduction to Horizon 8
- Horizon 8 architecture and components
- Internal connection workflow
- External connection workflow

Horizon Connection Server

- Planning and prerequisites
- Role of the Connection Server
- Connection Server installation
- Initial server configuration
- Registering resource capacity
- Recommended additional configuration

Horizon Desktop Pools

- Understanding desktop pools
- Provisioning desktop pools
- Customising clones
- Creating desktop pools

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- Managing user entitlements
- Updating existing desktop pools

Horizon Client

- Horizon Client options and features
- Installing Horizon Client
- Configuring the client
- Upgrading Horizon Client

Horizon Agent for Windows

- Horizon Agent for Windows capabilities
- Installing and configuring Horizon Agent
- Applying policies to the agent
- Horizon Integrated Printing
- Upgrading Horizon Agent

Building a Windows Gold Image for Horizon

- Understand the role of a gold image within VDI
- Optimise Windows images for Horizon
- Build a standardised Windows gold image

Horizon 8 Server Farms and Published Applications

- Understand Horizon 8 farms
- Provision server farms
- Work through the farm creation wizard
- Deploy and configure published applications
- Configure published applications on demand

Linux on Horizon 8

- Explore Horizon Agent for Linux capabilities
- Install and configure Horizon Agent for Linux
- Apply Linux agent policies
- Configure printing for Linux desktops
- Upgrade Horizon Agent for Linux
- Build a Linux gold image

Unified Access Gateway for Horizon

- Understand the role of Unified Access Gateway
- Deploy Unified Access Gateway
- Configure secure external access
- Configure two-factor authentication

Monitoring Horizon 8 and Using the Helpdesk

- Monitor infrastructure through the Horizon 8 Console
- Manage user sessions
- Troubleshoot session issues

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- Collect Horizon log files

Content and Device Redirection

- Understand the purpose and benefits of redirection
- Configure device redirection
- Configure client drive redirection
- Configure web content redirection

Horizon 8 Pod Scaling, Redundancy, and Load Balancing

- Understand Horizon pod scaling principles
- Apply recommended scaling design practices
- Implement multiple Connection Servers for capacity and resilience
- Implement multiple Unified Access Gateways for scale and availability

Multiple Horizon 8 Pods and Sites

- Understand multi-pod and multi-site deployment approaches
- Configure Cloud Pod Architecture

Backup, Recovery, and Horizon 8 Upgrades

- Implement Connection Server backup and recovery
- Upgrade a Horizon 8 pod
- Upgrade Unified Access Gateways
- Maintain operational stability during lifecycle activities

Additional Authentication Options

- Explore user authentication options for Connection Servers
- Configure integration with Omnissa Access
- Configure True SSO