

Horizon 8: Install, configure, and manage

Course duration: 5 Days

Delivered by an Omnisia Certified Instructor, the Horizon 8: Install, Configure, and Manage course teaches IT professionals to effectively install and configure the components of Horizon 8. Learners will also gain practical skills to solve a broad range of business challenges through a combination of hands-on labs, simulations, and interactive lectures.

Course objectives

- Understand the course scope, structure, and role-based outcomes for Horizon 8 installation, configuration, and management.
- Explain Horizon 8 architecture, components, and connection workflows used to deliver virtual desktops and applications.
- Install and configure Horizon Connection Servers to authenticate users and broker desktops and applications.
- Create and manage Horizon desktop pools to deliver consistent and scalable virtual desktops.
- Install and configure Horizon Client to provide secure end-user access to desktops and applications.
- Install and configure the Horizon Agent on Windows systems to enable desktop and application delivery features.
- Build and optimize Windows gold images for standardized Horizon desktop deployment.
- Configure RDS server farms and published applications to deliver shared desktops and apps.
- Prepare and deploy Linux virtual desktops using Horizon 8.
- Deploy and configure Unified Access Gateway to enable secure external access to Horizon resources.
- Monitor Horizon environments and support users using built-in helpdesk and troubleshooting tools.
- Configure content and device redirection to balance security and user experience.
- Design and scale Horizon pods to support growth and performance requirements
- Implement multi-pod and multi-site Horizon architectures for global availability and resiliency.
- Plan and perform Horizon backups, recovery, and upgrades to maintain operational stability.
- Integrate additional Horizon authentication options to strengthen access security.

Target audience

- Intermediate to advanced practitioners that design, install, manage, optimize, and troubleshoot enterprise desktops and applications in their environment.

Prerequisites Recommended:

- Understand fundamental Networking / Storage and Infrastructure concepts
- A working knowledge of Horizon 8
- Implement multi-pod and multi-site Horizon architectures for global availability and resiliency.
- Plan and perform Horizon backups, recovery, and upgrades to maintain operational stability.
- Integrate additional Horizon authentication options to strengthen access security.
- A background in End-User Computing.

Course modules

- 1 Course introduction
 - Introductions and course logistics
 - Course objectives
- 2 Horizon 8 overview and architecture
 - Introduction to Horizon 8
 - Horizon 8 components and architecture
 - How an internal connection works
 - How an external connection works
- 3 Horizon Connection Server
 - Planning and prerequisites
 - Connection Server overview and installation
 - Initial configuration of the Connection Server
 - Register resource capacity
 - Additional recommended configuration
- 4 Horizon desktop pools
 - About desktop pools
 - Provisioning desktop pools
 - Customizing clones
 - Creating desktop pools
 - User entitlements
 - Updating desktop pools
- 5 Horizon Client
 - Horizon clients and their features
 - Installing the Horizon Client
 - Configuring the Horizon Client
 - Upgrading the Horizon Client
- 6 Horizon Agent for Windows
 - Features of the Horizon Agent for Windows
 - Installing and Configuring the Horizon Agent for Windows
 - Applying policies to the Horizon Agent
 - Horizon Integrated Printing
 - Upgrading the Horizon Agent
- 7 Building a golden image for Horizon
 - Outlining the role of a golden image in VDI
 - Implementing optimizations in a Windows image
 - Building a Windows golden image
- 8 Horizon 8 server farms and published apps
 - Explain Horizon 8 farms

- Provision server farms
 - Walkthrough of farm wizard
 - Deploy and configure Horizon published applications
 - Deploy and configure published apps on demand
- 9 Linux on Horizon 8
- Explain and summarize the features of the Horizon Agent for Linux
 - Install and configure the Horizon Agent for Linux
 - Apply policies to the Horizon Agent for Linux
 - Configure printing for Linux
 - Perform upgrades of Horizon Agent for Linux
 - Build a Linux golden image
- 10 Unified Access Gateway for Horizon deployments
- What is Unified Access Gateway?
 - Deploying Unified Access Gateway
 - Configure two-factor authentication
- 11 Monitor Horizon 8 and use the Helpdesk
- Monitor the infrastructure with the Horizon 8 console
 - Manage and troubleshoot user sessions
 - Collect Horizon log files
- 12 Content and device redirection with Horizon 8
- Redirection functions and benefits
 - Device redirection
 - Client drive redirection
 - Web content redirection
- 13 Horizon 8 pod scaling, redundancy, and load balancing
- Recognize the design principles and best practices for scaling a Horizon 8 pod
 - Implement multiple Connection Servers for scale and resilience
 - Implement multiple Unified Access Gateways for scale and resilience
- 14 Multiple Horizon 8 pods and multiple sites
- Configure Cloud Pod Architecture
- 15 Backup, recovery, and upgrading Horizon 8
- Implement backup and recovery for Connection Servers
 - Perform an upgrade of a Horizon 8 pod
 - Perform an upgrade of Unified Access Gateways
- 16 Additional authentication options with Horizon 8
- User authentication options on Connection Servers
 - Configuring integration with Omnisia Access
 - True SSO