# Omnissa Horizon Fast Track Training

Duration: **5 Day**

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## Overview

What Can This Training Help You Achieve?

- Strengthen your ability to design, configure, and administer **Omnissa Horizon 8** environments across cloud, on-premises, and hybrid infrastructures.
- Implement **Horizon Pods, Unified Access Gateway, and Cloud Pod Architecture** to support high availability and scalability.
- Improve the administration of **virtual desktop pools, RDS applications, and session protocols** to optimise user access and performance.
- Use **App Volumes and Dynamic Environment Manager (DEM)** to streamline application delivery, profile management, and user environment customisation.
- Develop advanced skills in **Workspace ONE integration, authentication, Single Sign-On (SSO), and Horizon security configuration**.

The **Omnissa Horizon Fast Track Training** is a comprehensive technical programme covering the deployment, configuration, security, and administration of virtual desktop infrastructure. It introduces the architecture and operational capabilities of **Omnissa Horizon®** across both cloud-based and on-premises environments.

Participants gain practical experience in deploying and configuring **Horizon Pods, Unified Access Gateway, and Cloud Pod Architecture**, with particular attention to high availability, scalability, and secure access requirements.

The course examines essential administration activities, including **desktop pool management, session protocols, authentication, and security settings**, alongside more advanced infrastructure configurations.

Integration with **Workspace ONE, App Volumes, and Dynamic Environment Manager** is also covered, demonstrating how these technologies contribute to application lifecycle management, application delivery, and personalised user environments.

Designed for **experienced administrators, systems engineers, and technical specialists**, this course develops the knowledge and practical skills required to manage, maintain, and optimise Horizon environments.

## Prerequisites

Participants are expected to meet the following requirements:

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- Previous experience administering **Horizon or End-User Computing (EUC)** environments
- An understanding of fundamental **networking, storage, and infrastructure** concepts
- Familiarity with **TCP/IP and Microsoft Active Directory**
- Access to a full-size laptop for practical course activities
- A secondary device for viewing electronically delivered course materials and lab instructions (recommended)
- **US keyboard mapping** configured on the devices used during training

## Who Should Attend

This course is intended for:

- Experienced administrators responsible for **Virtual Desktop Infrastructure (VDI)**
- Systems engineers seeking advanced **Horizon deployment and configuration** skills
- **Consulting architects** working with Horizon solutions
- **Citrix specialists** moving to the Omnissa Horizon® platform
- **Microsoft End-User Computing specialists** involved in desktop and application delivery

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## What You Will Learn

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

- Explain the architecture and functions of **Horizon 8 components**, including deployment options for cloud and on-premises environments.
- Deploy and configure **Horizon Pods**, including standard and replica servers, capacity providers, licensing, and event database configuration.
- Configure **Unified Access Gateway** in clustered environments to provide secure access.
- Explain the architecture, administration, and business use cases of **Horizon Recording Services**.
- Implement secure **Single Sign-On** using **Omnissa Access, federation, Horizon TrueSSO, and Enrollment Services**.
- Administer **Windows and Linux desktop pools, persistent and non-persistent desktops, RDS server farms**, and application delivery through App Volumes.
- Monitor and manage Horizon environments using **Horizon Admin Console and the LDS database**.
- Create, deliver, update, and manage **App Volumes application packages** through Classic and On-Demand delivery models.
- Configure **Dynamic Environment Manager** for profile management, synchronisation, replication, and advanced functions such as **Smart Policies and Triggered Tasks**.

## Outline

### 1. Omnissa Reference Architecture Overview

- Reviewing **Omnissa recommended practices** for Horizon environment design
- Understanding reference architecture principles and their practical application
- Evaluating **scalability and high-availability** requirements
- Identifying integration points with other Omnissa solutions

### 2. Horizon 8 Architecture Overview

- Identifying the core components of **Horizon 8**
- Exploring architectural options for **on-premises, hybrid, and cloud** deployments
- Understanding Horizon deployment terminology and architectural concepts
- Comparing deployment approaches for different scenarios

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### 3. Horizon Connection Server Overview

- Identifying the essential requirements for **Horizon Connection Server**
- Reviewing installation methods and recommended configuration practices
- Understanding server roles and operational responsibilities
- Examining the steps involved in initial configuration

### 4. Horizon Recording Services Overview

- Exploring the business requirements addressed by **Horizon Recording Services**
- Understanding the service architecture and major components
- Reviewing administrative capabilities and configuration procedures
- Examining integration with existing Horizon environments

### 5. Securing the Horizon Transport

- Determining when **session tunneling** should be enabled or disabled
- Exploring available **transport security mechanisms**
- Assessing the impact of transport configurations on user access and performance
- Applying recommended approaches to secure transport configuration

### 6. Workspace ONE Integration with Horizon

- Understanding the responsibilities of **Omnissa Intelligence and Hub Services**
- Exploring integration between **Workspace ONE UEM and Horizon**
- Reviewing the benefits of unified endpoint management
- Examining the configuration process for integration

### 7. Unified Access Gateway Overview

- Exploring **Unified Access Gateway (UAG)** architecture and deployment models
- Configuring UAG within clustered infrastructure environments
- Reviewing **security capabilities and access control** options
- Understanding integration with Horizon and external identity providers

### 8. Horizon Brokering

- Identifying **Horizon Transport** requirements for connection brokering

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- Comparing **local and global server load-balancing** methods
- Evaluating architectural considerations for multi-site environments
- Reviewing brokering configuration and troubleshooting procedures

### 9. Horizon Desktop Pool Administration

- Applying recommended **Windows desktop image creation** practices
- Examining desktop deployment and maintenance approaches
- Managing **persistent and non-persistent desktop pools**
- Exploring **App Volumes integration** for application delivery

### 10. Horizon Linux Desktop Deployment

- Comparing traditional and **Easy Setup** image creation methods for Linux desktop pools
- Reviewing Linux desktop deployment requirements and options
- Examining maintenance and update procedures
- Exploring integration with Horizon platform features

### 11. Horizon Authentication and Single Sign-On Requirements

- Identifying available **authentication methods** for Horizon environments
- Integrating third-party identity providers and **Omnissa Access**
- Configuring **Enrollment Services and Single Sign-On (SSO)**
- Evaluating authentication security and user experience considerations

### 12. Cloud Pod Architecture

- Understanding the infrastructure challenges addressed by **Cloud Pod Architecture (CPA)**
- Enabling and configuring Cloud Pod Architecture
- Reviewing **high-availability and scalability** benefits
- Exploring federation and site administration options

### 13. Horizon RDS Published Applications

- Deploying and configuring **RDS Server Farms and Application Pools**
- Integrating **App Volumes with Horizon** for application delivery
- Managing published applications

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- Reviewing recommended practices for RDS environments

### 14. Horizon Agent and Client Options

- Configuring essential **security and performance settings** through Horizon Agent and Client
- Managing advanced options with **Admin Console and Group Policy**
- Evaluating compatibility and optimisation approaches
- Reviewing monitoring and troubleshooting utilities

### 15. Horizon Protocols

- Introducing **Horizon Blast codecs, PCoIP, and RDP**
- Comparing protocol capabilities and appropriate use cases
- Examining configuration and **performance tuning** techniques
- Selecting suitable protocols for different infrastructure requirements

### 16. Horizon Graphics

- Configuring **software-based and hardware-accelerated 3D rendering**
- Understanding graphics requirements and compatibility considerations
- Reviewing graphics performance optimisation techniques
- Exploring graphics integration with Horizon desktop pools

### 17. Horizon Administrative Tasks

- Using **Horizon Admin Console** for session support and troubleshooting
- Monitoring real-time performance with **Horizon Performance Tracker**
- Managing delegated administration roles and permissions
- Reviewing common Horizon administration workflows

### 18. ThinApp Overview

- Understanding the role of **ThinApp** in modern application lifecycle management
- Examining ThinApp components and the **application capture cycle**
- Exploring isolation modes and **Sandbox** functionality
- Reviewing ThinApp integration with Horizon and **Dynamic Environment Manager (DEM)**

### 19. Introduction and Architecture of App Volumes

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- Identifying application management challenges addressed by**App Volumes**
- Exploring App Volumes architecture and its major components
- Understanding integration with **application lifecycle management**
- Comparing available deployment scenarios

### 20. Working with Application Packages

- Understanding the **App Volumes provisioning process**
- Comparing **Classic and On-Demand** application delivery models
- Integrating application packages into desktop and RDS environments
- Reviewing package management and update procedures

### 21. App Volumes On-Demand Delivery

- Configuring **On-Demand Delivery** for desktops and applications published through RDS Farms
- Evaluating delivery methods and technical requirements
- Reviewing integration with Horizon environments
- Exploring troubleshooting and performance optimisation approaches

### 22. App Volumes Advanced Configurations

- Configuring **Storage Groups** for multi-site deployments
- Using **Snapvol.cfg** for advanced configuration settings
- Creating application packages through the**appcapture.exe** command-line utility
- Reviewing **Writable Volumes** administration

### 23. Dynamic Environment Manager Architecture and Console Overview

- Understanding **profile management** within Dynamic Environment Manager
- Examining **DEM architecture and core components**
- Exploring DEM functionality across different environments
- Reviewing management console features and configuration options

### 24. Dynamic Environment Manager Advanced Configurations

- Configuring **DEM environments** to meet cross-environment requirements
- Integrating DEM with **ThinApp and Workspace ONE UEM**

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- Implementing **Smart Policies and Triggered Tasks**
- Exploring advanced administration capabilities

### 25. Dynamic Environment Manager Optional Components

- Working with **Self Support Tool and Help Desk Support Tool**
- Using **Application Profiler** for user environment customisation
- Configuring **DEM Sync Tool** for synchronisation
- Reviewing optional features that enhance support and administration