

VMware Horizon 8: Deploy and Manage Training

VMware Authorized Training · Applied Technology Academy

This five-day, hands-on training course provides the knowledge and practical skills required to deliver virtual desktops and applications through a single virtual desktop infrastructure (VDI) platform. Students will learn to install, configure, and manage VMware Horizon® 8, including virtual machines, pools, application management, and security. The course covers best practices for managing and scaling a Horizon environment in an enterprise setting.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	3 Days	VMware Horizon 7 or 8	\$130,000	Yes

Course Overview

- Experience with VMware vSphere, VMware vCenter Server, and virtual machines
- Familiarity with Microsoft Windows Server and Active Directory
- Understanding of basic networking and storage concepts

Course Outline

- **Module 1: Course Introduction**
 - Introductions and course logistics
 - Course objectives
- **Module 2: Introduction to VMware Horizon**
 - Overview of Horizon 8 architecture and components
 - Key features and benefits of desktop and application virtualization
 - Connection Server, Composer, and Horizon Agent roles
- **Module 3: VMware Horizon Architecture and Components**
 - Horizon Client options and supported platforms
 - Unified Access Gateway and security considerations
 - Load balancing and high availability
- **Module 4: Installing and Configuring Horizon Server Components**
 - Installing and configuring Horizon Connection Server
 - Installing Horizon Agent and Horizon Client
 - Configuring certificates, licensing, and directory integration
- **Module 5: Creating and Managing Virtual Desktops**
 - Desktop pool types: manual, automated, and instant clone

- Using VMware vSphere to create desktop VMs
- Managing desktop pool assignments and entitlements
- **Module 6: Instant Clones and Smart Provisioning**
 - Overview of instant clone technology
 - Configuring and deploying instant clone pools
 - Managing image updates and pool maintenance
- **Module 7: Delivering Applications with Horizon**
 - Application publishing with RDS hosts
 - Managing RDSH farms and application pools
 - Application delivery and entitlement options
- **Module 8: Managing User Experience**
 - Configuring user environment settings and policies
 - Managing profiles with Dynamic Environment Manager (DEM)
 - Optimizing user sessions and desktop performance
- **Module 9: Securing VMware Horizon**
 - Configuring security server and Unified Access Gateway
 - Implementing authentication methods
 - Best practices for Horizon security and compliance
- **Module 10: Monitoring and Managing Horizon Environment**
 - Monitoring tools and dashboards in Horizon Console
 - Horizon Help Desk Tool and session management
 - Performance metrics and logging
- **Module 11: Maintenance and Troubleshooting**
 - Common configuration and deployment issues
 - Troubleshooting connection and display problems
 - Best practices for patching and updating Horizon components
- **Module 12: Advanced Features and Integrations**
 - Integrating Horizon with VMware App Volumes
 - Using Workspace ONE for identity and access management
 - Managing hybrid and cloud-hosted Horizon deployments

Intended Audience

- VDI Administrators and Engineers who deploy, maintain, and troubleshoot VMware Horizon environments.
- System Administrators responsible for desktop and application delivery in a virtualized environment.

- VMware Consultants involved in designing and implementing application and profile management solutions.

Prerequisites

- Experience with VMware vSphere, VMware vCenter Server, and virtual machines
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Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.