

VMware Horizon 7: Install, Configure, Manage Plus App Volumes Fast Track [V7]

Duration: 5 Days

Overview:

This intensive five-day, extended-hours course gives you the skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. This course builds your skills in installing, configuring, and managing VMware Horizon® 7 through a combination of lecture and hands-on labs. You will learn how to configure and deploy pools of virtual machines and how to manage access and security of the machines. You will also gain skills in application management using VMware App Volumes™ and VMware User Environment Manager™. You will learn how to use App Volumes to deliver applications and data to desktops and users in seconds and at scale, managing application lifecycles from installation to update and replacement. You will also learn how to use user Environment Manager to provide personalisation and dynamic policy configuration across virtual, physical, and cloud-based environments to simplify end-user profile management

Products Alignment: VMware Horizon 7, App Volumes 2.10, User Environment Manager 8.7, vSphere 6, ESXi 6, vCenter 6 and Virtual SAN 6.2

Target Audience:

Experienced system administrators and system integrators responsible for implementing desktop solutions

Pre-requisites:

This course requires completion of the VMware vSphere: Install, Configure, manage course or have the following skills and knowledge:

- Use VMware vSphere® web client to view the state of virtual machines, datastores and networks

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives
- Identify additional resources

Module 2: Introduction to VMware Horizon

- Recognise the features and benefits of VMware Horizon
- Identify the major function of each VMware Horizon component
- Define a use case for your virtual desktop and application infrastructure

Module 3: View Connection Server

- Identify the VMware vSphere® requirement for a connection server
- Describe the network and firewall configurations for View Connection Server
- License VMware Horizon components

Module 4: VMware Horizon Pools and Desktops

- Outline the process and choices in setting up VMware Horizon 7 virtual machines
- Compare the remote display that are available in VMware Horizon
- List the ports that must be opened in the machine's firewall for VMware Horizon operations
- Outline the configuration choices when installing Horizon Agent

Module 5: Horizon Client Options

- Describe the requirements for a Horizon Client installation
- Explain USB redirection and options
- Describe the power state for desktops
- Describe the configuration options for Virtual Printing

Module 11: Managing VMware Horizon Security

- Compare tunnels and direct connections for client access to desktops
- Compare the benefits of using either VMware Horizon Security Server or Access Point in the DMZ
- Identify where the tunnel endpoints are in a security server or an Access Point implementation

Module 12: Command-Line Tools and Backup Options

- Describe key View Connection Server features that are available as command-line options with the vdmadmin command
- Explain the purpose of kiosk mode for client systems and how it is configured
- Identify the log locations for each VMware horizon component

Module 13: VMware Horizon Performance and Scalability

- Describe the purpose of a replica server
- Compare a replica server to a standard connection server
- Explain how multiple VMware Horizon servers maintain synchronisation
- List several best practices for multiserver deployment in a pod
- Describe how a load-balancing capability might improve VMware Horizon performance

Module 14: Overview of App Volumes Enterprise

- App volumes
- User environment manager
- VMware ThinApp®

- Open a virtual machine console on VMware vCenter Server® and access the guest operating system
- Modify virtual machine properties
- Convert a virtual machine into a template
- Configure Active Directory services, including DNS, DHCP, and time synchronisation
- System administration experience on Microsoft Windows or Linux operating systems

Course Completion:

After completing this course, students will be able to:

- Identify VMware Horizon components
- Install and configure View Connection Server
- Install and configure virtual desktops
- Configure and manage VMware Horizon® Client™ systems
- Configure and manage pools of physical and virtual machines
- Configure and manage pools of linked-clone desktops
- Configure and manage automated pools of instant clones
- Configure and manage Remote Desktop Services (RDS) pools of desktops and applications
- Use Horizon Administrator to configure the VMware Horizon environment
- Configure secure access to virtual desktops
- Manage the performance and scalability of a VMware Horizon deployment
- Describe the features and functions of App Volumes and User Environment Manager
- Demonstrate the architectures of App Volumes and User Environment Manager
- Demonstrate the architectures of App Volumes and User Environment Manager
- Install and configure App Volumes
- Create and deploy AppStacks and writable volumes
- Install and configure User Environment Manager
- Manage Application configurations, user environment settings, and personalisation settings
- This course prepares you for the following certification: VMware Certified Professional 7 – Desktop and Mobility (VCP7-DTM)

Module 6: Creating Automated Pools of Full Virtual Machines

- Recognise how an automated pool operates
- Compare dedicated-assignment and floating-assignment pools
- Outline the steps to create an automated pool

Module 7: Creating and Managing Linked-Clone Desktops

- Describe the VMware linked-clone technology
- Explain why both a parent virtual machine and a snapshot must be used to create linked clones
- Outline the system requirements for View Composer
- Describe the relationship between a persistent disk and the system disk
- Setup an automated desktop pool that uses linked clones

Module 8: Creating and Managing Instant-Clone Pools

- Identify the advantages of instant clones
- Identify the requirements of instant clones
- Describe the types of instant-clone virtual machines
- Outline the steps to set up an automated pool that uses instant clones

Module 9: Creating RDS Desktop and Application Pools

- Describe how a user can access a single application by using the RDS application tool
- Create an RDS desktop pool and an application tool
- Explain how the view composer linked-clone technology can automate the build-out of RDS server farms and load balance

Module 10: VMware Horizon 7 Authentication

- Compare the authentication options that view connection Server supports
- Describe the purpose of TrueSSO single sign-on
- Identify TrueSSO single sign-on components

Module 15: Overview of App Volumes

- Features and benefits
- Scalability and limitations
- Storage group distribution strategies
- App volumes components

Module 16: Installation of App Volumes

- Infrastructure and system requirements
- Installing and configuring App Volumes Manager
- Installing the App volumes agent

Module 17: Working with AppStacks

- Creating and provisioning AppStacks
- Managing and updating AppStacks
- Using AppStacks in virtual desktops
- Using AppStacks in a Remote Desktop Services host
- Best practices for AppStacks

Module 18: Working with Writable Volumes

- Default writable volume templates
- Writable volume policies at creation
- Updating and rescanning writable volumes

Module 19: Overview of User Environment Manager

- Features and benefits
- User environment Manager Terminology
- User environment settings and scope
- User profile scenarios

Module 20: Installation of User Environment Manager

- Infrastructure and system requirements
- User Environment Manager Agent (FlexEngine) requirements
- Group policy configuration
- Management Console configuration

Module 21: User Environment Manager Settings

- Personalisation settings
- User environment settings
- Condition sets
- Application migration



Module 22: Application Configuration Management

- Predefined and user-customised application settings
- Using application profiler
- Using the self-support tool
- Using the helpdesk tool