VMware Horizon: Install, Configure, Manage 7.0

Course Details

Course Outline

1. **Course Introduction**
   - Course goals, objectives, and outline
   - Additional resources upon completing this course

2. **Introduction to VMware Horizon**
   - Features and benefits of VMware Horizon
   - Major function of each VMware Horizon component
   - Use case for your virtual desktop and application infrastructure

3. **View Connection Server**
   - VMware vSphere requirements for a connection server
   - Network and firewall configurations for View Connection Server
   - License VMware Horizon components
   - Configure View Connection Server

4. **VMware Horizon Pools and Desktops**
   - Process and choices in setting up VMware Horizon 7 virtual machines
   - Remote display protocols that are available in VMware Horizon
   - Ports that must be opened in the machine's firewall for VMware Horizon operations
   - Configuration choices when installing Horizon Agent
   - Steps to set up a template for desktop pool deployment
   - How information on the Users and Groups page can be used to control and monitor View users
   - Hierarchy of global policies, pool-level policies, and user-level policies
   - View Group Policy administrative (ADM) template files

5. **Horizon Client Options**
   - Requirements for a Horizon Client installation
   - USB redirection and options
   - Power states for desktops

- Compare a thin client with a system running Horizon Client
- Benefits of Virtual Printing
- Virtual Printing architecture
- Configuration options for Virtual Printing
- Location-based printing feature

6. **Creating Automated Pools of Full Virtual Machines**

- How an automated pool operates
- Compare dedicated-assignment and floating-assignment pools
- Outline the steps to create an automated pool
- Entitlement of desktops in automated pools

7. **Creating and Managing Linked-Clone Desktops**

- VMware linked-clone technology
- Why both a parent virtual machine and a snapshot must be used to create linked clones
- System requirements for View Composer
- Relationship between a persistent disk and the system disk
- Outline the steps necessary to set up an automated desktop pool that uses linked clones
- Compare the purpose of the parent and the replica virtual machines
- Compare the linked-clone management operations
- Management operations for persistent disks

8. **Creating and Managing Instant-Clone Pools**

- Advantages of instant clones
- Distinguish View Composer clones from instant clones
- Requirements of instant clones
- Types of instant-clone virtual machines
- How folders are used to delegate pool administration
- Outline the steps to set up an automated pool that uses instant clones
- Instant-clone limitations in VMware Horizon 7
- Creation of instant clones
- Set up an automated pool of instant clones

9. **Creating RDS Desktop and Application Pools**

- Difference between an RDS desktop pool and an automated pool
- How a user can access a single application by using the RDS application pool
- Relationship between an RDS host, a farm, and an application pool

- Create an RDS desktop pool and an application pool
- How the View Composer linked-clone technology can automate the build-out of RDS server farms
- Load-balancing options for RDS hosts

10. VMware Horizon 7 Authentication

- Compare the authentication options that View Connection Server supports
- purpose of TrueSSO single sign-on
- TrueSSO single sign-on components

11. Managing VMware Horizon Security

- Compare tunnels and direct connections for client access to desktops
- 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
- Identify the tunnel endpoints when the security gateway is not used
- A direct connection
- Advantages of direct connections

12. Profile Management Using User Environment Manager

- Use cases and benefits of using User Environment Manager
- User Environment Manager and its architecture
- User Environment Manager functional areas and their benefits
- User Environment Manager profile management and its features
- Use the User Environment Manager management console and application profiler to manage user personalization and application configurations

13. Using App Volumes to Provision and Manage Applications

- How App Volumes works
- Features and benefits of App Volumes
- Interface elements of App Volumes
- Install and configure App Volumes

14. Command-Line Tools and Backup Options

- Key View Connection Server features that are available as command-line options with the vdmadmin command
- Purpose of kiosk mode for client systems and how it is configured
- Why you might want to limit the domains that View Connection Server makes available to end users

- Log locations for each VMware Horizon component

15. VMware Horizon Performance and Scalability

- Purpose of a replica server
- Compare a replica server to a standard connection server
- How multiple VMware Horizon servers maintain synchronization
- Best practices for multiserver deployment in a pod
- How a load-balancing capability might improve VMware Horizon performance