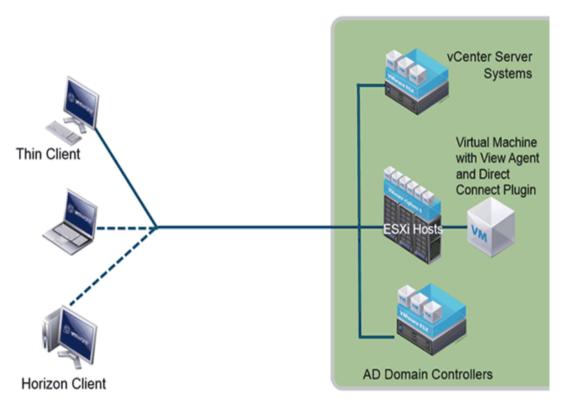# TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

Using Direct Connection

| VMware Horizon View |

VMware Horizon View 7: Install, Configure, Manage [V7.10]

🞣 Course Overview:

This hands-on 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 learn how to configure and deploy pools of virtual machines, how to manage the access and security of the machines, and how to provide a customized desktop environment to end users.

🞣 Course Outline:

1. Course Introduction
- Introductions and course logistics
- Course objectives

2. Introduction to VMware Horizon
- Recognize the features and benefits of VMware Horizon
- Describe the conceptual and logical architecture of VMware Horizon
- Define a use case for your virtual desktop and application infrastructure
- Convert customer requirements to use case attributes

3. Horizon Connection Server
- Recognize VMware Horizon reference architecture
- Identify the recommended system requirements for Horizon Connection Server
- Identify the recommended virtualization requirements for a Horizon® Connection ServerTM instance

4. VMware Horizon Desktops
- Outline the process and choices to set up Windows VMware Horizon VMs
- Assign vCPUs and RAM to Windows VMs
- Create Windows VMs
- Configure VMware ESXiTM host virtual switches
- Optimize the performance of Windows VMs

5. VMware Horizon Pools
- Identify the steps to set up a template for desktop pool deployment

- List the steps to add desktops to the Horizon Connection Server inventory
- Define user entitlement

6. VMware Horizon Client Options
- Describe the requirements for a Horizon Client installation on a Windows system
- Explain USB redirection and options
- Describe the shared folders option
- Describe the different clients and their benefits

7. Creating Automated Desktop Pools
- Describe how an automated pool operates
- Compare dedicated-assignment and floating-assignment pools
- Outline the steps to create an automated pool

8. Configuring and Managing Linked-Clone Desktop Pools
- Describe VMware linked-clone technology
- Explain why both a parent VM and a snapshot must be used to create linked clones
- Outline the system requirements for View Composer

9. Creating and Managing Instant-Clone Desktop Pools
- Describe instant clones
- List the advantages of instant clones
- Differentiate between View Composer linked clones and instant clones

10. VMware Horizon Authentication and Certificates
- Compare the authentication options that Horizon Connection Server supports

11. Managing VMware Horizon Security
- Compare tunnels and direct connections for client access to desktops
- Identify the benefits of using VMware Unified Access GatewayTM in the DMZ
- Identify the tunnel endpoints when the security gateway is not used
- Describe a direct connection in a VMware Horizon environment
- List the advantages of direct connections
- Describe how direct connections are enabled

12. Profile Management Using Dynamic Environment Manager
- Identify the VMware Dynamic Environment Manager functional areas and their benefits
- Prepare infrastructure for VMware Dynamic Environment Manager

• Outline the steps that are required to install and configure VMware Dynamic Environment Manager
   components
• Manage user personalization and application configurations using the VMware Dynamic Environment
   Manager management console and application profiler

13. Creating RDS Desktop and Application Pools
• Explain the difference between an RDS Desktop pool and an automated pool
• Access a single application by using the RDS Application pool
• Compare and contrast an RD Session Host pool, a farm, and an application pool
• Create an RDS Desktop pool and an application pool

14. Provisioning and Managing Application Using App Volumes
• Explain how App Volumes works
• Identify the features and benefits of App Volumes
• Identify the interface elements of App Volumes
• Install and configure App Volumes

15. Just-in-Time Management Platform and VMware Horizon
• Identify the benefits of Just-in-Time Management Platform (JMP)
• List the JMP and Horizon 7 components
• Install and configure a JMP server
• Identify App Volumes deployment considerations
• Identify VMware Dynamic Environment Manager deployment considerations

16. Command-Line Tools and Backup Options
• Describe key Horizon 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
• Explain why you limit the domains that Horizon Connection Server displays to users as they attempt to
   authenticate
• Identify the log locations for each VMware Horizon component
• Collect Horizon Client and Horizon Agent log files

17. VMware Horizon Performance and Scalability
• Describe the purpose of a replica connection server

- Compare a replica server to a standard connection server
- Explain how multiple Horizon Connection Server instances in a pod maintain synchronization
- List several best practices for multiserver deployment in a pod
- Describe how a load-balancing capability might improve VMware Horizon performance

✚ Prerequisites:

Attendees should have, at a minimum, the following VMware infrastructure skills:

- ➢ Use VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
- ➢ Open a virtual machine console on VMware vCenter Server® and access the guest operating system
- ➢ Create snapshots of virtual machines
- ➢ Configure guest customization specifications
- ➢ Modify virtual machine properties
- ➢ Convert a virtual machine into a template
- ➢ Deploy a virtual machine from a template

Attendees should also have the following Microsoft Windows system administration experience:

- ➢ Configure Active Directory services, including DNS, DHCP, and time synchronization
- ➢ Restrict user activities by implementing Group Policy objects
- ➢ Configure Windows systems to enable Remote Desktop Connections
- ➢ Build an ODBC connection to an SQL Server database

✚ Who Should Attend:
- ➢ Technical personnel who work in the IT departments of end-customer companies and people who are responsible for the delivery of remote or virtual desktop services.
- ➢ System administrators and system integrators responsible for deploying the VMware virtual desktop infrastructure

- **Number of Hours: 40hrs**
- **Key Features:**
  - One to One Training
  - Online Training
  - Fastrack & Normal Track
  - Resume Modification
  - Mock Interviews
  - Video Tutorials
  - Materials
  - Real Time Projects
  - Virtual Live Experience
  - Preparing for Certification