VMware Horizon: Design and Deploy [V6]

Course Details

Course Outline

1. **Infrastructure Assessment**
   - Define customer business objectives
   - Gather and analyze business and application requirements
   - Use a systematic methodology to evaluate and document design decisions

2. **View Design**
   - Identify the design process to build a Horizon solution
   - Use the Horizon reference architecture to deploy a Horizon solution
   - Outline the process to define a use case
   - Determine use cases for a given business case study

3. **Pool and Desktop Design**
   - Map use cases to Horizon instances and Horizon pools
   - Create and deploy desktop pools for a given use case
   - List the key considerations for sizing hardware for a desktop virtual machine
   - Identify key virtual desktop performance tuning and Windows optimizations and their effects on Horizon performance

4. **Horizon Block and Pod Design**
   - Identify the components of a typical Horizon block and pod
   - Outline the relationships between Horizon management block components
   - Design a Horizon desktop block and pod configuration for a given use case
   - Configure cloud pod architecture for multisite pool access

5. **VMware Infrastructure Design**
   - Identify factors and design decisions that determine the sizing for VMware ESXi™ hosts
   - Estimate and size CPU and memory requirements
   - Describe the design considerations for sizing network capacity
   - Outline the privileges that are required by an administrative user account

6. **Storage Design**

   - Identify factors that determine the sizing for shared storage

   - Identify benefits of using tiered storage for linked-clone pools

   - Identify use cases and benefits of using View Storage Accelerator

   - Identify use cases and benefits of using persistent disks and disposable-files disks in linked-clone desktops

   - Identify use cases and benefits of using VMware Virtual SAN™

7. **Network and Security Design**

   - Identify the design decisions related to bandwidth utilization

   - Identify use cases and benefits of using load balancing and traffic management

   - Identify the best practices for avoiding network congestion

   - Identify use cases and benefits of using firewalls for DMZ-based security servers

8. **End-User Session and Device Design**

   - Identify VMware best practices for Active Directory containers, groups, and Group Policy object policies in a Horizon solution

   - Discuss alternatives for managing user profiles

   - Describe benefits of using View Persona Management

   - Identify client device characteristics and requirements

9. **Deploying and Managing Applications**

   - Describe the importance of the application delivery mechanism

   - Determine which Horizon application tool should be used to accomplish which business objectives

   - Design and create Remote Desktop Services farms and application pools to support the deployment of applications