



 **Computer Solution Limited**
- Affordable High Quality Training

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By the end of the course, you should be able to meet the following objectives:

- Assess the business and application requirements of an environment
- Analyze design choices and design an infrastructure architecture for end-user computing that addresses the needs of the environment
- Design a VMware Horizon infrastructure architecture that addresses the needs of the organization and follows VMware best practices
- Document a design that can be implemented
- Design a comprehensive VMware Horizon solution



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Outline:

1. Course Introduction

- Introductions and course logistics
- Course objectives

2. Infrastructure Assessment

- Define customer business objectives
- Gather and analyze business and application requirements
- Use a systematic methodology to evaluate and document design decisions

3. VMware Horizon Design

- Identify the design process to build a VMware Horizon solution
- Identify the VMware Horizon reference architecture
- Outline the process to define a use case
- Determine use cases for a given business case study
- Outline the process to define service definition

4. VMware Horizon Block and Pod Design

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



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5. Pool and Desktop Configuration

- 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 VMware Horizon performance
- Map use cases to VMware Horizon instances and VMware Horizon pools
- Design desktop pools for a given use case

6. VMware Infrastructure Design

- Identify factors and design decisions that determine the sizing for VMware ESXi™ hosts
- Estimate and size CPU and memory requirements
- Determine cluster requirements for VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™
- Outline the privileges that are required by an administrative user account

7. Storage Design

- Identify factors that determine the sizing for shared storage
- Determine storage-sizing formulas for clone disks
- Reduce storage requirements with instant clones
- Identify use cases and benefits of using View Storage Accelerator
- Identify use cases and benefits of using VMware vSAN™

8. Network and Security Design

- Identify the design decisions related to bandwidth use
- Identify use cases and benefits of using load balancing and traffic management
- Identify the best practices for avoiding network congestion
- Recognize the PCoIP and Blast Extreme optimization strategies
- Describe the design considerations for sizing network capacity
- Evaluate security features of the security server and VMware Unified Access Gateway™
- Compare the security server and Unified Access Gateway



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9. End-User Session Design

- Configure Horizon Persona Management for end-user personalization
- Discuss the use of VMware User Environment Manager™ for personalizing desktops
- Identify VMware best practices for Active Directory containers, groups, and Group Policy object policies in a VMware Horizon solution
- Identify VMware best practices for True SSO
- Identify client device characteristics and requirements

10. Delivering and Managing Applications

- Describe the importance of the application delivery mechanism
- Determine which VMware 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