

VMWare Horizon 7: Design Workshop v7.0

VMware Horizon: Design Workshop [V7.0] is a three-day course that presents a methodology for designing a VMware Horizon® solution. The design methodology includes recommendations for the type of information and data that must be gathered and analyzed to make sound design decisions for client systems, desktop options, VMware vSphere® infrastructure, and VMware Horizon components. VMware best practices are presented for each phase of the design process.

How you'll benefit

This class will help you:

- Learn how to apply your new knowledge by working with other participants to design a VMware Horizon solution for a real-world project.

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10%
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs Run up to Date Code for all our courses

Objectives

Upon completing this course, the student will be able to meet these 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

Who Should Attend

The primary audience for this course is as follows:

- Experienced system administrators and system integrators responsible for designing and implementing VMware Horizon solutions

Course Duration
5 day
Course Price
\$4,250.00
Methods of Delivery
• Instructor Led
• Virtual ILT
• On-Site
Certification Exam
VCAP7-DTM Design

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Prerequisites

Customers attending this course should have, at a minimum, the following skills:

- Virtualized desktop implementation experience
- Understanding of concepts presented in the VMware Horizon 7: Install, Configure, Manage [V7] course or equivalent experience
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course

Outline

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

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- Introductions and course logistics
- Course goals and objectives

Module 2: Infrastructure Assessment

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

Module 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

Module 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

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- Design a VMware Horizon desktop block and pod configuration for a given use case
- Configure cloud pod architecture for multisite pool access

Module 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

Module 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

Module 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™

Module 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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Module 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

Module 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