



VMware vSphere: Design Workshop [V5.5] HL237S

Course Overview

The goal of this course is to equip you with the knowledge, skills, and abilities to design a VMware vSphere® 5.5 virtual infrastructure that is available, scalable, manageable, and secure. This course offers the benefits and risks of available design alternatives and provides information to support making sound design decisions. Also, gives you an opportunity to practice your design skills by working with peers on a design project. The course is based on VMware ESXi™ and VMware vCenter Server™ 5.5.

Price	USD \$2,700
Links to local schedules, pricing and registration	US/Canada Mexico/Latin America Brazil
Course title	VMware vSphere: Design Workshop [V5.5]
HP course #	HL237S
Category	VMware
Duration	3 days

Audience

- Consulting professionals
- Solution architects
- System architects
- System administrators
- IT managers

Prerequisites

- Knowledge of vSphere 5.5 installation, upgrade, configuration, and administration

Course objectives

- Understand and apply a framework to a design
- Design a storage solution to use vSphere in an enterprise
- Design a network to use vSphere in an enterprise
- Design compute resources for an enterprise
- Design virtual machines to run applications in a virtual infrastructure
- Design a virtual datacenter for an enterprise
- Incorporate management and monitoring features in the design
- Identify design goals, requirements, constraints, and risks
- Identify useful information for making design decisions
- Recognize and analyze best-practice recommendations
- Analyze alternative design choices

Course outline

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives

Module 2: Design Process Overview

- Clarify key terminology
- Identify and discuss design guidelines, design approaches, design sessions, and design decisions and implications, and create a design framework
- Define and describe a framework methodology
- Identify design tools, including the architecture quality matrix, Information Technology Infrastructure Library v3, and the vSphere technology stack

Module 3: VMware vSphere Storage Design

- Identify useful information for making design decisions about virtual and physical storage
- Recognize and analyze best-practice recommendations
- Analyze alternative storage design choices
- Communicate choices and their benefits and risks to the customer
- Develop a storage design

Module 4: VMware vSphere Network Design

- Identify useful information for making design decisions about virtual and physical networks
- Recognize and analyze best-practice recommendations
- Analyze alternative network design choices
- Communicate choices and their benefits and risks to the customer
- Develop a network design

Module 5: Compute Resources Design

- Identify useful information for making design decisions about host CPU and memory
- Recognize and analyze best-practice recommendations
- Analyze alternative host design choices
- Communicate choices and their benefits and risks to the customer
- Develop a host design

Module 6: Virtual Machine Design

- Identify useful information for making design decisions about virtual machines
- Recognize and analyze best-practice recommendations
- Analyze alternative virtual machine design choices
- Communicate choices and their benefits and risks to the customer
- Develop a virtual machine design

Module 7: VMware vSphere Virtual Datacenter Design

- Identify useful information for making design decisions about virtual datacenters regarding management server and cluster configuration
- Recognize and analyze best-practice recommendations
- Analyze alternative virtual datacenter design choices
- Communicate choices and their benefits and risks to the customer
- Develop a virtual datacenter design

Module 8: Management and Monitoring Design

- Identify useful information for making design decisions about management and monitoring
- Recognize and analyze best-practice recommendations
- Analyze alternative management and monitoring design choices
- Communicate choices and their benefits and risks to the customer
- Develop a management and monitoring design

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