



VMware Data Center Virtualization Foundations H4S44S

Course Overview

This course provides a fundamental understanding of the VMware® data center virtualization products. This course also includes the business challenges that these products are intended to solve. The course starts by covering the concepts of data center virtualization, including some common IT challenges faced by organizations. The course covers the VMware vSphere® 5.5 product line, showing the various components and features and how they help resolve business and technical challenges. The course also relates products and features to challenges that they are intended to resolve.

Price	USD \$200
Links to local schedules, pricing and registration	US/Canada Mexico/Latin America Brazil
Course title	VMware Data Center Virtualization Foundations
HP course #	H4S44S
Category	VMware
Duration	3 hours

Audience

- This course is suitable for customers, channel partners, and employees. Many potential customers, partners, and new VMware employees might benefit from an introduction to VMware products and technologies
- This course prepares individuals for success with the certification track of choice, while enabling them to be productive as they enhance their VMware expertise

Prerequisites

- Familiarity and some experience with IT technology assumed

Course objectives

At the end of this course, you should be able to:

- Describe the need for data center virtualization
- Provide an overview of the vSphere 5.5 features and define how the VMware products help to solve business and technical challenges related to data center virtualization

Course outline

Module 1: Introduction to Data Center Virtualization with VMware vSphere

- Introduction to data center virtualization with vSphere
- What is data center virtualization
- Why do we need data center virtualization
- Availability, scalability, optimization, and management challenges

Module 2: Components of VMware vSphere

- Components of vSphere
- What is a virtual machine
- VMware vSphere® ESXi Hypervisor
- VMware® vCenter™
- VMware vSphere® vMotion™
- VMware vSphere® Distributed Resource Scheduler™
- VMware vSphere® Distributed Power Management™
- VMware vSphere® Storage vMotion®
- VMware vSphere® Storage DRS™ and VMware vSphere® Storage I/O Control
- VMware vSphere® Data Protection™
- VMware vSphere® High Availability
- VMware vSphere® Fault Tolerance
- VMware vSphere® vSphere Replication
- Storage types (VMware vSphere® Storage Appliance™, VMware® Virtual SAN™, VMware vSphere® Flash Read Cache™, Datastores)
- Virtual networking introduction
- Data center virtualization products (VMware® vCenter™ Operations Manager™, VMware® vCenter™ Configuration Manager™, VMware® vCenter™ Site Recovery Manager™)

Module 3: Applying What You Have Learned

- Availability challenges for data center virtualization
- Scalability challenges for data center virtualization
- Optimization challenges for data center virtualization
- Management challenges for data center virtualization

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