



vSAN Deploy and Manage [V5.5] H4S50S

This training course focuses on deploying and managing a software-defined storage solution with VMware® Virtual SAN™ 5.5. This course looks at how Virtual SAN is used as an important component in the VMware® software-defined data center (SDDC). Students gain practical experience with these concepts through the completion of hands-on labs. The course is based on the VMware® ESXi™ 5.5 Update 1 and the VMware® vCenter Server™ 5.5 Update 1.

vSAN Deploy and Manage [V5.5]

Price USD \$1,600

**Links to local
schedules,
pricing and
registration** [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # H4S50S

Category VMware

Duration 2 days

Special note

Purchase method/s: 2 units of HP Care Pack for VMware Training (HF386E/A1), or Credit Card, or VMware PSO credits or Purchase Order.

Audience

- Experienced system administrators that specialize in networking

Prerequisites

- Storage administration experience on block or file storage devices
- Understanding of concepts presented in the VMware vSphere®: Install, Configure, Manage course

Course objectives

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

- Define the key components of a software-defined data center
- Identify benefits of software-defined storage solutions
- Compare and contrast disk types and storage technologies
- Explain file, block, and object-oriented storage

- Identify Virtual SAN requirements, use cases, and architecture components
- Plan and design a Virtual SAN deployment
- Configure Virtual SAN clusters
- Identify benefits of storage policy-based management
- Scale a Virtual SAN deployment based on storage needs
- Monitor Virtual SAN
- Troubleshoot Virtual SAN
- Identify the integration of Virtual SAN with the VMware product portfolio

Course outline

Module 1: Course Introduction

- Introductions and course logistics
- Course objectives
- Course outline
- Identify benefits of the software-defined data center

Module 2: Storage Fundamentals Overview

- Define common storage terminology
- Identify common SAN architectures
- Identify characteristics of hard-disk drives and solid-state disk drives
- Explain file, block, and object-oriented storage architectures
- Contrast local, centralized, and distributed storage architectures

Module 3: Architecture

- Describe the Virtual SAN architecture
- Describe Virtual SAN objects and components
- Identify Virtual SAN capabilities
- Identify Virtual SAN use cases
- Identify the Virtual SAN network interconnect

Module 4: Configuring Networks and Clusters

- Configure a Virtual SAN network
- Configure a Virtual SAN cluster

Module 5: Storage Policy-Based Management

- Define the purpose of virtual machine storage policies
- Apply virtual machine storage policies
- Deploy virtual machines to Virtual SAN
- Modify virtual machine storage policies

Module 6: Managing and Monitoring

- Scale a Virtual SAN cluster
- Identify failure scenarios and responses
- Manage Virtual SAN with the VMware vSphere® Web Client
- Monitor Virtual SAN with Ruby vSphere Console (RVC)
- Manage Virtual SAN with RVC
- Monitor Virtual SAN with Virtual SAN Observer

Module 7: Designing and Planning

- Plan Virtual SAN cluster sizing
- Design a Virtual SAN cluster
- Identify Virtual SAN interoperability options

Learn more at

hpe.com/us/training/vmware

© Copyright 2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

VMware and vSphere are registered trademarks of VMware, Inc

H4S50S Ver A.00

c04754554 September 2015