VMware vCloud Networking and Security for VSphere Professional [V5.5] H6D05S

Course Overview

This intensive training course focuses on installing, configuring, and managing VMware vCloud® Networking and Security™ for VMware® vSphere® professionaluse. vCloud Networking and Security is a suite of security virtual appliances built for VMware® vCenter Server™ and VMware ESXi™ integration. vCloud Networking and Security is a critical security component for protecting virtualized data centers from attacks and helping you to achieve your compliance-mandated goals. The course is based on VMware® vShield™ 5.5, ESXi 5.5, and vCenter Server 5.5. This course is 50% lecture and 50% hands-on lab.

Price	USD $2,700
Links to local schedules, pricing and registration	**US/Canada** **Mexico/Latin America** **Brazil**
Course title	Vmware vCloud Networking and Security vSphere Professional [V5.5]
HP course #	H6D05S
Category	VMware
Duration	3 days

Audience

- System administrators and system integrators responsible for deploying vCloud Networking and Security

Prerequisites

Required:
- Willingness to participate in demanding, high-intensity training
- Experience with vSphere
- Comfort with system administration using command-line interfaces

Recommended:
- Completion of VMware vSphere: Install, Configure, Manage (H6D01S)

Course objectives

By the end of the course, you should be able to meet the following objectives:
- Identify common use cases for vCloud Networking and Security components
- Install VMware vCloud® Networking and Security Manager™ and configure it to work with vCenter Server
- Create and manage VXLAN virtual wires
- Identify environments that benefit from deploying VMware vCloud® Networking and Security Edge™ and install and configure it

- Identify environments that benefit from VMware vCloud® Networking and Security App™ and install and configure it in a cluster
- Describe the enterprise requirements for compliance analysis and how VMware vCloud® Networking and Security Data Security™ can provide a solution

Course outline

Module 1: Course Introduction
- Introductions and course logistics
- Course objectives

Module 2: VMware Networking and Security
- Networking and Security virtualization vision
- VMware vCloud Networking and Security components

Module 3: VMware vCloud Networking and Security Manager
- Installation prerequisites
- Installing vCloud Networking and Security Manager

Module 4: VXLAN Networks
- Layer-2 connectivity and VLAN constraints
- VXLAN protocol
- IP encapsulation and multicast requirements
- Creating and connecting a VXLAN virtual wire
- Testing VXLAN virtual wire connectivity

Module 5: Securing the Data Center
- Securing the virtual data center
- Securing virtual networks

Module 6: VMware vCloud Networking and Security Edge
- Installing and configuring vCloud Networking and Security Edge
- Internal and uplink interfaces
- Adding, changing, and deleting firewall and NAT rules
- Configuring site-to-site IPsec VPNs
- Configuring SSL VPNs for remote access
- Configuring load-balancer services
- Configuring high-availability services

Module 7: VMware vCloud Networking and Security App
- Installing and configuring vCloud Networking and Security App
- Hypervisor-based firewall on each host
- Firewall rules for virtual machine protection
- Flow monitoring as a traffic analysis too

Module 8: Endpoint Security

- Challenges with endpoint security
- VMware® vShield Endpoint™ components
- Antivirus use cases and solution

Module 9: VMware vCloud Networking and Security Data Security

- Data security policies and compliance
- Data security scans

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