



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vCloud Networking and Security for vSphere Professionals (V5.5)

CODE:	LENGTH:	PRICE:
VMVCNSVSP5.5	24 Hours (3 days)	\$2,695.00

Description

This intensive training course focuses on installing, configuring, and managing VMware vCloud® Networking and Security™ for VMware® vSphere® professional use. 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.

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

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

Programme

1. Course Introduction

- Introductions and course logistics
- Course objectives

2. VMware Networking and Security

- Networking and Security virtualization vision
- VMware vCloud Networking and Security components

3. VMware vCloud Networking and Security Manager

- Installation prerequisites
- Installing vCloud Networking and Security Manager

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

5. Securing the Data Center

- Securing the virtual data center
- Securing virtual networks

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

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 tool

8. Endpoint Security

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

9. VMware vCloud Networking and Security Data Security

- Data security policies and compliance
- Data security scans

Test and Certification

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Session Dates

On request. Please [Contact Us](#)

Additional Information

This training is also available as onsite training. Please contact us to find out more.