FIREFLY

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Implementing Secure Solutions with Virtual Private Networks

DURATION: 5 DAYS COURSE CODE: SVPN FORMAT: LECTURE/LAB

COURSE DESCRIPTION

The Implementing Secure Solutions with Virtual Private Networks (SVPN) v1.0 course teaches you how to implement, configure, monitor, and support enterprise Virtual Private Network (VPN) solutions. Through a combination of lessons and hands-on experiences you will acquire the knowledge and skills to deploy and troubleshoot traditional Internet Protocol Security (IPsec), Dynamic Multipoint Virtual Private Network (DMVPN), FlexVPN, and remote access VPN to create secure and encrypted data, remote accessibility, and increased privacy.

This course will prepare you for the 300-730 Implementing Secure Solutions with Virtual Private Networks (SVPN) exam.

After you pass 300-730 SVPN exam, you earn the Cisco® Certified Specialist - Network Security VPN Implementation and you satisfy the concentration exam requirement for the CCNP® Security professional-level certification.

WHO SHOULD ATTEND

Network security engineer

CCNP Security candidate

Channel Partner

PREREQUISITES

Familiarity with the various Cisco router and firewall command modes

Experience navigating and managing Cisco routers and firewalls

Clear understanding of the benefits of site-to-site and Remote Access VPN options

LEARNING OBJECTIVES

This course will help you:

- Acquire the knowledge and skills to enhance Internet privacy, speed, and performance
- Gain hands-on experience using the tools to ensure premium data security
- Prepare for the 300-730 SVPN exam

After taking this course, you should be able to:

- Introduce site-to-site VPN options available on Cisco router and firewalls
- Introduce remote access VPN options available on Cisco router and firewalls
- Review site-to-site and remote access VPN design options
- Review troubleshooting processes for various VPN options available on Cisco router and firewalls

COURSE OUTLINE

1. Introducing VPN Technology Fundamentals
2. Implementing Site-to-Site VPN Solutions
3. Implementing Cisco Internetwork Operating System (Cisco IOS®) Site-to-Site FlexVPN Solutions
4. Implement Cisco IOS Group Encrypted Transport (GET) VPN Solutions
5. Implementing Cisco AnyConnect VPNs
6. Implementing Clientless VPNs

DISCOVERY LABS

1: Explore IPsec Technologies
2: Implement and Verify Cisco IOS Point-to-Point VPN
3: Implement and Verify Cisco Adaptive Security Appliance (ASA) Point-to-Point VPN
4: Implement and Verify Cisco IOS Virtual Tunnel Interface (VTI) VPN
5: Implement and Verify Dynamic Multipoint VPN (DMVPN)
6: Troubleshoot DMVPN
7: Implement and Verify FlexVPN with Smart Defaults
8: Implement and Verify Point-to-Point FlexVPN
9: Implement and Verify Hub and Spoke FlexVPN
10: Implement and Verify Spoke-to-Spoke FlexVPN
11: Troubleshoot Cisco IOS FlexVPN
12: Implement and Verify AnyConnect Transport Layer Security (TLS) VPN on ASA
13: Implement and Verify Advanced Authentication, Authorization, and Accounting (AAA) on Cisco AnyConnect VPN
14: Implement and Verify Clientless VPN on ASA