

Cisco® Implementing Secure Solutions with Virtual Private Networks v1.0 (SVPN)

Overview

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.

Prerequisite Comments

Before taking this course, you should have the following knowledge and skills:
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

Target Audience

This course is designed for professionals in the following job roles:
Network security engineer
CCNP Security candidate
Channel Partner

Course Objectives

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

[Register Online](#)**Schedule**

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
ILT = "Instructor-Led-Training"

This course is not currently available on the public schedule. Please contact us using the information in the footer below to inquire about future dates or to schedule a private class.

1 - Course Outline

Introducing VPN Technology Fundamentals
Implementing Site-to-Site VPN Solutions
Implementing Cisco Internetwork Operating System (Cisco IOS®) Site-to-Site FlexVPN Solutions
Implement Cisco IOS Group Encrypted Transport (GET) VPN Solutions
Implementing Cisco AnyConnect VPNs
Implementing Clientless VPNs

2 - Lab Outline

Explore IPsec Technologies
Implement and Verify Cisco IOS Point-to-Point VPN
Implement and Verify Cisco Adaptive Security Appliance (ASA) Point-to-Point VPN
Implement and Verify Cisco IOS Virtual Tunnel Interface (VTI) VPN
Implement and Verify Dynamic Multipoint VPN (DMVPN)
Troubleshoot DMVPN
Implement and Verify FlexVPN with Smart Defaults
Implement and Verify Point-to-Point FlexVPN
Implement and Verify Hub and Spoke FlexVPN
Implement and Verify Spoke-to-Spoke FlexVPN
Troubleshoot Cisco IOS FlexVPN
Implement and Verify AnyConnect Transport Layer Security (TLS) VPN on ASA
Implement and Verify Advanced Authentication, Authorization, and Accounting (AAA) on Cisco AnyConnect VPN
Implement and Verify Clientless VPN on ASA

Related Courses, Certifications, Exams

- Cisco® Implementing and Administering Cisco® Solutions v1.0 (CCNA)
- Cisco® Implementing and Operating Cisco® Security Core Technologies v1.0 (SCOR)