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

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

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### 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

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### Target Audience

This course is designed for professionals in the following job roles:

- Network security engineer
- CCNP Security candidate
- Channel Partner

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### 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

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### Course Outline

#### 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

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