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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.

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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)
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