VPN 2.0 - Deploying Cisco ASA VPN Solutions

Cisco Course 2.0 | ASA Software v8.4

In this expert-led course based on ASA 8.4 code, Cisco security professionals will learn to properly configure the Cisco ASA for VPN solutions. The Cisco ASA supports several deployment strategies for VPN. This course covers the wide spectrum of options and solutions available to provide secure connectivity in an enterprise network.

What You'll Learn

- Cisco ASA adaptive security appliance VPN configuration components
- Implement IPsec site-to-site VPN tunnels
- Implement basic Easy VPN remote operations on the Cisco ASA using ASDM
- Implement and troubleshoot AnyConnect SSL VPNs on the Cisco ASA
- Implement clientless SSL VPNs on the Cisco ASA
- Implement SSL VPN high availability on the Cisco ASA

Who Needs to Attend

- Anyone who implements and maintains VPN features on the Cisco ASA
- Those seeking CCNP Security certification

Prerequisites

- IINS 2.0 - Implementing Cisco IOS Network Security
- FIREWALL 2.0 - Deploying Cisco ASA Firewall Solutions

Follow-On Courses

- IPS - Implementing Cisco Intrusion Prevention System v7.0
- ACS 5.2 - Cisco Secure Access Control System

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- Cisco VPN Security Specialist

Course Outline

1. Cisco ASA Adaptive Security Appliance VPN Architecture and Common Components

- Evaluating the Cisco ASA Adaptive Security Appliance VPN Subsystem Architecture
- Evaluating the Cisco ASA Adaptive Security Appliance Software Architecture
- Implementing Profiles, Group Policies, and User Policies
- Implementing PKI Services

2. Cisco ASA Adaptive Security Appliance Clientless Remote Access SSL VPN Solutions

- Deploying Basic Clientless VPN Solutions
- Deploying Advanced Application Access for Clientless SSL VPNs
- Deploying Advanced Authentication and SSO for Clientless SSL VPNs
- Customizing the Clientless SSL VPN User Interface and Portal

3. Cisco AnyConnect Remote Access SSL Solutions

- Deploying a Basic Cisco AnyConnect Full-Tunnel SSL VPN Solution
- Deploying an Advanced Cisco AnyConnect Full-Tunnel SSL VPN Solution
- Deploying Advanced Authentication, Authorization, and Accounting in Cisco Full-Tunnel VPNs

4. Cisco ASA Adaptive Security Appliance Remote Access IPsec VPNs

- Deploying Cisco Remote Access VPN Clients
- Deploying Basic Cisco Remote Access IPsec VPN Solutions

5. Cisco ASA Adaptive Security Appliance Site-to-Site IPsec VPN Solutions

- Deploying Basic Site-to-Site IPsec VPNs
- Deploying Advanced Site-to-Site IPsec VPNs

6. Endpoint Security and High Availability for Cisco ASA VPNs

- Implementing Cisco Secure Desktop and DAP for SSL VPNs
- Deploying High Availability Features in Cisco ASA Adaptive Security Appliance VPNs

Labs

- Configure the Cisco ASA 5505 Adaptive Security Appliance for Site-to-Site VPN Using PSKs
- Deploy Basic Cisco Easy VPN
- Configure a Local Group Policy and Create a User in the Local Database
- Configure the Cisco ASA 5520 Adaptive Security Appliance as a Cisco Easy VPN Server
- Configure Basic Full Tunneling SSL VPN Support on the Cisco ASA Adaptive Security Appliance
- Enroll the Cisco ASA Adaptive Security Appliance into a PKI (Using the Cisco IOS Software Certificate Server in Autogrant Mode)
- Configure a Connection Profile and Group Policy
- Create a Local CA on the Cisco ASA Adaptive Security Appliance
- Create a Certificate User on the Cisco ASA Adaptive Security Appliance
- Configure Certificate-Based Authentication and Connection Profile Mapping on the Cisco ASA Adaptive Security Application
- Enable AAA and Certificate-Based Authentication on the Cisco ASA Adaptive Security Appliance
- Revoke a Client Certificate on the Cisco ASA Adaptive Security Appliance
- Create a Certificate to Enroll into a PKI and Configure Basic Clientless SSL VPN Support on the Cisco ASA Adaptive Security Appliance
- Configure a Complex Local Group Policy on the Cisco ASA Adaptive Security Appliance
- Enable External Authentication and Authorization Using a RADIUS Server

Self-Paced

Course Code: 5774W

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Learning Time: 45 Hours
18 Cisco Learning Credits

Other Delivery Methods

Virtual Classroom Live
On-Site

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