VPN 2.0 - Deploying Cisco ASA VPN Solutions

Cisco Course 2.0 | ASA Software v8.4 | Prepares you for Cisco Exam 642-648 VPN.

After April 21, 2014, this course will no longer be part of the Cisco CCNP Security certification program. If you are interested in pursuing this certification, view the updated Cisco CCNP certification requirements.

Learn to configure, maintain, and operate VPN solutions based on the Cisco ASA 5500 Series Adaptive Security Appliance (ASA) including:

- Site-to-site IPSec VPN
- Remote access IPSec VPN
- Remote access SSL VPN with AnyConnect 3.0
- Load balancing VPN clusters
- AAA for VPNs using Cisco ACS 5.2

We have enhanced the standard Cisco labs to run on our expanded topology to better simulate a typical production network. Using an ASA 5520, our expert instructors will guide you through exercises such as:

- Managing digital certificates for IPSec and SSL VPNs
- Implementing both site-to-site and remote access VPN
- Implementing VPN access policies for corporate employees, contractors, and partners

A Global Knowledge Exclusive: Bonus Lab Credits

You'll receive 10 extra e-Lab credits (good for 30 days) to review a topic after class, refine your skills, or get in extra practice-whatever lab activities complete your training.

What You'll Learn

- Implement site-to-site IPSec VPN
- Implement remote access IPSec and SSL VPNs
- Work with both the legacy Cisco IPSec VPN client and the AnyConnect 3.0 VPN client
- Deploy clientless SSL VPN access, including portal customization, smart tunnel access, and web-type ACLs
- Implement single sign-on for clientless VPN access to internal resources
- Deploy full tunnel SSL VPN using the Cisco AnyConnect VPN Client
- Determine and enhance the security posture of remote SSL VPN systems using Cisco Secure Desktop
- Use digital certificates and PKI infrastructure for peer identity management in all classes of VPN
- Configure the ASA as a Certificate Authority for SSL VPN access
- Configure the ASA as a SCEP proxy for remote access VPN
- Configure access control policies to implement your security policy across all classes of VPN
- Use Dynamic Access Policies (DAP) to adapt a remote user's VPN policy to the user's current situation

- Implement High Availability and scalability features for Cisco ASA VPN solutions

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

- SECURE - Securing Networks with Cisco Routers and Switches
- 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
- Cisco ASA Specialist

Course Outline

1. ASA VPN Architecture and Common Components

- ASA VPN Subsystem Architecture
- ASA Software Architecture
- Implementing Profiles, Group Policies, and User Profiles
- Implementing PKI Services

2. ASA Remote Access SSL VPN Solutions

- Basic Clientless SSL VPN
- Advanced Clientless SSL VPN
- Advanced Authentication and SSO for Clientless SSL VPN
  - Customizing the Clientless SSL VPN Interface and Portal

3. AnyConnect Remote Access SSL VPN

- Basic AnyConnect Full Tunnel SSL VPN Solution
- Advanced AnyConnect Full Tunnel SSL VPN Solution
- Advanced AAA in AnyConnect Full Tunnel VPNs

4. ASA Remote Access IPSec VPNs

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

5. ASA Site-to-Site VPNs

- Basic Site-to-Site IPSec VPNs
- Advanced Site-to-Site IPSec VPNs

6. Endpoint Security and High Availability for ASA VPNs

- Cisco Secure Desktop and DAP for SSL VPNs
- High Availability Features in ASA VPNs

Labs

Lab 1: Enhanced - Licensing, ACS, Public CA
Lab 2: Enhanced - Basic Clientless SSL VPN
Lab 3: Enhanced - Clientless SSL VPN: Thin Apps
Lab 4: Enhanced - Customizations and Auto Sign-On
Lab 5: Enhanced - Basic AnyConnect Full Tunnel SSL VPN
Lab 6: Enhanced - AnyConnect: Centralized Management
Lab 7: Enhanced - Local CA and SCEP Proxy
Lab 8: Enhanced - Remote Access IPSec VPN
Lab 9: Enhanced - IPSec Site-to-Site VPN
Lab 10: Enhanced - Cisco Secure Desktop and Dynamic Access Policies
Lab 11: Enhanced - VPN Server Load Balancing

Classroom

Course Code: 5774

Enhanced Course

$3495 CAD

5 Day Course

35 Cisco Learning Credits

Other Delivery Methods

Virtual Classroom

On-Site

Self-Paced

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Classroom Dates and Locations			
Jun 16 - 20, 2014	Montreal, QC	Sep 15 - 19, 2014	Calgary, AB
Jul 28 - Aug 1, 2014	Toronto, ON		
Aug 25 - 29, 2014	Ottawa, ON		

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