

IMPLEMENTING CISCO UNIFIED COMMUNICATIONS SECURITY (UCSEC) V1.0

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Implementing Cisco Unified Communications Security (UCSEC) V1.0 is a new 5-day ILT class designed to provide students with the necessary knowledge and skills to implement security features in a Cisco Unified Communications environment. Cisco Unified Communications support several features and mechanisms to secure voice signaling and communications and to mitigate attacks against Cisco Unified Communications networks. The Implementing Cisco Unified Communications Security (UCSEC) v1.0 course introduces security mechanisms and describes different implementation scenarios that increase the security level of Cisco Unified Communications networks. The software applications covered in this course include: – Cisco Unified Communications Manager version 8.5 – Cisco IOS Software Release v15.1(3)T at routers, Cisco IOS Software Release 2.2.55(SE1) at switches – Cisco ASA adaptive security appliance Release 8.3 – Cisco Secure Cisco Secure Access Control Server (ACS) version 5.2.

How you'll benefit

This class will help you:

- Identify vulnerabilities in Cisco Unified Communications networks
- Describe security implementation strategies, cryptographic services, PKI, and VPN technologies
- Implement network infrastructure security features such as network separation and firewalling, 802.1X in phone VLANs, and the IP Phone VPN Client
- Harden Cisco Unified Communications endpoints and implement toll-fraud prevention features and Cisco Unified Communications Manager cryptographic security features
- Implement secure Cisco Unified Communications Manager integration with external devices, such as gateways, firewalls, and application proxies

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Network Administrators
- Network Engineers
- System Engineers
- Channel Partner / Reseller
- Customer
- Employee

Course Duration

5 days

Course Price

\$4,295.00 or 43 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

OUTLINE

Module 1: Vulnerabilities of Cisco Unified Communications Networks and Security Fundamentals

- Assessing Vulnerabilities of Cisco Unified Communications Networks
- Describing Security Implementation Strategies
- Describing Cryptographic Services and Functions
- Describing Key Management and PKI
- Describing IPsec and Cisco AnyConnect SSL VPN

Module 2: Network Infrastructure Security

- Implementing Network Separation and Packet Filtering
- Implementing Switch Security Features
- Implementing Cisco AnyConnect SSL VPNs in Cisco Unified Communications Networks

Module 3: Cisco Unified Communications Manager and Endpoint Security Features

- Hardening Cisco Unified Communications Endpoints
- Implementing Toll-Fraud Prevention
- Implementing Native Cisco Unified Communications Manager Security Features
- Implementing Cisco Unified Communications Manager Security Features Based on Security Tokens

Module 4: Secure Cisco Unified Communications Integration and Features

- Implementing SRTP to Gateways and Signaling Protection by Ipsec
- Implementing Secure Signaling and SRTP in SRST and Cisco Unified Communications Manager Express
- Implementing Trusted Relay Points
- Implementing Proxies for Secure Signaling and SRTP