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## Implementing Unified Communications Security

**Duration: 5 Days**    **Course Code: IUCS**

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### Overview:

Implementing Unified Communications Security (IUCS) v1.0 prepares you for installing, configuring, and maintaining security on a Cisco Unified Communication solution. This 5-Day course focuses primarily on enabling security on Cisco Unified CallManager 5.0 and its components and applications

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### Target Audience:

This course is aimed for Network Designers, Administrators, and System Engineers. Channel Partners /Resellers, Customers and Employees.

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### Objectives:

- Identify different type of threats and attacks of Unified Communication infrastructure
  - Identify different type of Layer 2 threats and attacks as well as configure Cisco Catalyst Switch to prevent these attacks
  - Identify different type of Layer 3 threats and attacks as well as configure Cisco ASA Firewall to prevent these attacks
  - Deploy and enable Secure mode for Cisco Unified CallManager
  - Implementing Cisco IP phone security
  - Implementing Cisco IOS voice gateway security
  - Implementing security for intercluster communication
  - Implementing Cisco Unified SRST for remote site failover
  - Implementing V3PN (Voice and Video Virtual Private Network)
  - Securing H.323 and SIP internetworking using IP-IP Gateway
  - Implementing security for Unified Communication Application such as Cisco Unified MeetingPlace, Cisco Unified MeetingPlace Express, Cisco Unity Express and Cisco Unity
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### Prerequisites:

All delegates should have a working knowledge of:

- CCNA certification status or equivalent knowledge Basic Telephony Signaling (INTRO, ICND) Conceptual understanding of Cisco Unified
  - CallManager / CallManager Express components (CVOICE, CIPT)
  - Foundation of Call Agent on gateway (IPTX)
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## Content:

### Introducing Unified Communications Security

- Introducing Unified Communications Components
- Introducing Unified Communications Security Concepts

### Implementing Infrastructure Security

- Introducing Infrastructure Security
- Implementing Layer 2/3 Security Enhancements
- Activity: Implementing Layer 2 Security Enhancements
- Firewalling for Unified Communications
- Activity: Firewalling for Unified Communications

### Securing Single Site Deployments

- Introducing Cisco Unified CallManager Security Concepts

- Introducing Intracluster Security
- Implementing Endpoint Security
- Activity: Implementing Endpoint Security
- Implementing Gateway Security
- Activity: Implementing Gateway Security

### Securing Multi-Site Deployments

- Introducing Security for Multi-Site Environments
- Securing Intercluster Communication
- Activity: Securing Intercluster Communication
- Implementing Unified Secure SRST
- Activity: Implementing Secure SRST

- Implementing V3PN
- Activity: Implementing V3PN
- Securing VoIP Interworking
- Introducing Security for VoIP Interworking
- Securing Interworking with IP-IP Gateways
- Activity: Securing Interworking with IP-IP Gateways
- Securing UC Applications
- Securing Cisco Unity
- Securing Cisco Unity Express
- Securing Meeting Place and Meeting Place Express
- Securing IPCC Express and IPCC Enterprise

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## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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