

## COURSE OVERVIEW:

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Cisco Umbrella is a cloud security platform that provides the first line of defense against threats on the Internet. Being able to understand and position how Cisco Umbrella works and what are the features is the key focus of this 3-day Cisco online IT class. Students who enter the course with a basic understanding of Cisco products and IT solutions will be able to describe the Cisco Umbrella, understand Secure Internet Gateway and Ransomware Protection, discuss Threat Intelligence, use Cisco Roaming Client.

## WHO SHOULD ATTEND:

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The primary audience for this course is as follows:

- Channel Partner
- System Engineers
- System Administrators
- Architects
- Security Professionals

## PREREQUISITES:

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The knowledge and skills that a learner must have before attending this course are as follows:

- Basic understanding of Cisco products and solutions

## COURSE OBJECTIVES:

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Upon completing this course, the learner will gain the following knowledge:

- How to describe and position Cisco Umbrella
- Discuss Secure Internet Gateway and Ransomware Protection
- Learn about DNS & IP layer enforcement & Intelligent Proxy
- Describe Command and control callback blocking
- Discuss Threat Intelligence
- Compare Umbrella Packages
- Understand Roaming Security



- Basic understanding of Cisco Roaming Client
- Understand how to use Cisco Umbrella Virtual Appliance
- Explain the ease of Integrating Cisco Umbrella into Active Directory
- Discuss Umbrella Reporting
- Understand Utilize Multi-Organization Tools

## COURSE OUTLINE:

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### Module 1: Describe Cisco Umbrella

- Umbrella and Available Features Overview

### Module 2: Umbrella Deployment Options

- DHCP
- DNS Server
- Roaming Client

### Module 3: Configure Policy Components -Part 1

- Destination Lists
- Content Categories
- Application Settings
- Tenant Controls
- Security Settings

### Module 4: Configure Policy Components-Part 2

- Block Page Appearance
- Integrations
- Selective Decryption Lists
- Bypass Users
- Bypass Codes

### Module 5: Umbrella Policies-DNS, Firewall and Web

- DNS Policies
- Firewall Policies
- Web Policies

## **Module 6: Integrating Umbrella with Active Directory**

- AD Connector and Script
- Virtual Appliance
- Roaming Client
- AnyConnect Roaming Security

## **Module 7: Umbrella Roaming Security – Roaming Client**

## **Module 8: Umbrella Roaming Security – AnyConnect Roaming Security**

## **Module 9: Cisco Umbrella DNS Mobile Security**

- MDM Integration
- IOS Devices
- Android Devices

## **Module 10: User Account Management**

- Local Accounts
- User Roles

## **Module 11: Umbrella Reporting**

- Core Reports
- Additional Reports
- Management Reports

## **Module 12: Umbrella Investigate**

## **Module 13: Umbrella Multi-Organization**

## **Module 14: Integrating Umbrella within Cisco SecureX**

## LAB OUTLINE:

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- Lab 0: Accessing the Lab Devices
- Lab 1: Deploying Cisco Umbrella
- Lab 2: Configuring Policy Components
- Lab 3: Configuring Umbrella DNS Policy
- Lab 4: Configuring Umbrella Firewall Policy
- Lab 5: Configuring Umbrella Web Policy
- Lab 6: Active Directory Integration using the Virtual Appliance
- Lab 7: Deploying Umbrella Roaming Client
- Lab 8: Deploying AnyConnect Roaming Security
- Lab 9: Umbrella User Account and Roles Management
- Lab 10: Umbrella Reporting
- Lab 11: Leveraging Umbrella Investigate
- Lab 12: SecureX Integration walk-through