Administering and Positioning Cisco Umbrella Operations

Duration: 3 Days   **Course Code: ADMUMB**   **Version: 1.0**

Overview:

Cisco Umbrella is a cloud security platform that provides the first line of defense against threats on the Internet. Being able to understand how this works and what the features are, is the key focus of this 2-day course.

Target Audience:

Individuals involved in the Administration of a Cisco Umbrella Solution

Objectives:

- **After completing this course you should be able to:**

- Describe Cisco Umbrella

- Understand Secure Internet Gateway and Ransomware Protection

- Comprehend DNS & IP layer enforcement & Intelligent Proxy

- Describe Command and control callback blocking

- Discuss Threat Intelligence

- Compare Umbrella Packages

- Understand Roaming Security

- Use Cisco Roaming Client

- Deploy the Cisco Umbrella Virtual Appliance

- Integrate Cisco Umbrella into Active Directory

- Configure Umbrella Reporting

- Utilize Multi-Organization Tools

Prerequisites:

Attendees should meet the following prerequiites:

- Basic understanding of Cisco products and solutions

Testing and Certification

Recommended as preparation for the following exam(s):

- There are no exams currently aligned to this course

Content:

Module 1: Cisco Umbrella- Security Solution

- Lesson 1: Security Internet Gateway
- Lesson 2: Ransomware Protection
- Lesson 3: DNS ; IP layer enforcement
- Lesson 4: Intelligent Proxy
- Lesson 5: Command ; control callback blocking
- Lesson 6: Threat Intelligence
- Lesson 7: Umbrella Packages

Module 2: Implementing Cisco Umbrella

- Lesson 1: Cisco Umbrella Overview
- Lesson 2: Protect your network
- Lesson 3: Point your DNS to Cisco Umbrella
- Lesson 4: Custom Policies
- Lesson 5: Intelligent Proxy
- Lesson 6: Umbrella Policy Tester
- Lesson 7: Policy Precedence

Module 3: Roaming Client

- Lesson 1: Introduction to Umbrella Roaming Client
- Lesson 2: Prerequisites

Lesson 3: Downloading and Installing

- Lesson 4: Verifying Operation
- Lesson 5: Policy Configuration
- Lesson 6: Adding IP Layer Enforcement
- Lesson 7: Status, States, and Functionalilty
- Lesson 8: Virtual Appliances
- Lesson 9: Troubleshooting
- Lesson 10: Internal Domains

Module 4: Umbrella Roaming Security

- Lesson 1: AnyConnect: Cisco Umbrella Roaming Security Client Administrator Guide
- Lesson 2: Cisco Umbrella Dashboard Configuration
- Lesson 3: Cisco Certificate Import

Module 5: Virtual Appliance Setup Guide

- Lesson 1: Deployment Guidelines
- Lesson 2: Deploy the VAs
- Lesson 3: Setup via VMware
- Lesson 4: Setup via Hyper-V
- Lesson 5: Configure Your VAs
- Lesson 6: Local DNS Forwarding
- Lesson 7: Reroute DNS
- Lesson 8: Sites and Internal Networks
- Lesson 9: Sizing

Module 6: Active Directory

- Lesson 1: Active Directory Setup
- Lesson 2: Set Up DNS Forwarding with your VAs
- Lesson 3: Active Directory Environment
- Lesson 4: Route DNS Traffic
- Lesson 5: Communication Flow and Troubleshooting
- Lesson 6: Multiple Active Directory and Umbrella Sites

Module 7: Reporting

- Lesson 1: Reporting Basics
- Lesson 2: Understanding Security Categories
- Lesson 3: Scheduled Reports: Overview and Setup
- Lesson 4: Security Overview Report
- Lesson 5: Activity Search Report
- Lesson 6: Security Activity Report
- Lesson 7: Destinations Report
- Lesson 8: Identities Report
- Lesson 9: Cloud Services Report
- Lesson 10: Admin Audit Log Report

Module 8: Umbrella Multi-Org Overview

- Lesson 1: Cisco Umbrella Multi-Org Overview
- Lesson 2: Centralized Settings
- Lesson 3: Centralized Reports: Service Status
- Lesson 4: Centralized Reports: Cloud Services

Lab Outline

- Lab 1: Cisco Umbrella Installation
- Lab 2: Cisco Umbrella Basic Configuration
- Lab 3: Umbrella- Protecting your Network
- Lab 4: Umbrella- Provision the roaming client
- Lab 5: Monitoring Cisco Umbrella
- Lab 6: Cisco Ransomware Defense
- Lab 7: Cisco Umbrella Reporting

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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