

CI – IAUWS

Implementing Advanced Cisco Unified Wireless Security

Summary

Duration

5 Days

Vendor

Cisco

Category

Wireless / CCNPW



Introduction

The goal of this 5 day course is to provide students with information and practice activities to prepare them to secure the wireless network from security threats via appropriate security policies and best practices to ensure the proper implementation of security standards and proper configuration of security components, and to integrate the wireless network with the existing wired security infrastructure.

Prerequisites

CCNA Wireless (ICND1, ICND2 & IUWNE)

Course Objectives

After completing this course the student should be able to:

- Translate organizational and regulatory security policies and enforce security compliances
- Design and implement guest access services on the WLAN controller
- Integrate security on client devices
- Integrate a wireless network with NAC
- Implement secure wireless connectivity services on the WLAN controller
- Use the integrated security features on the WLAN controller to isolate and mitigate security threats to the WLAN
- Integrate the WLAN controller with advanced security platforms on the wired network

Course Outline

Organizational and Regulatory Security Policies

- Describing Regulatory Compliance
- Segmenting Traffic
- Configuring Administrative Security
- Managing WLAN Controller and Cisco WCS Alarms
- Identifying Security Audit Tools

Design and Implement Guest Access Services

- Describing Guest Access Architecture
- Configuring Guest Access Accounts
- Configuring the WLAN to Support Guest Access
- Troubleshooting Guest Access

Secure Client Devices

- Describing the Impact of Security on Application and Roaming
- Configuring EAP Authentication
- Configuring Cisco Secure Services Client
- Troubleshooting Wireless Connectivity

Design and Integrate Wireless Network with NAC

- Introducing the NAC Framework
- Describing the NAC Authentication Process Flow
- Configuring the Controller for NAC

Implement Secure Wireless Connectivity Services

- Configuring Authentication for the WLAN Infrastructure
- Configuring Management Frame Protection
- Configuring Cisco Secure ACS
- Configuring Certificate Services
- Implementing Access Control Lists
- Configuring Identity Based Networking
- Troubleshooting Secure Wireless Connectivity

Integrated Security Features

- Using Controller-Based IDS
- Mitigating Wireless Vulnerabilities

Integrate the WLAN with Advanced Security Platforms

- Understanding Cisco's End-to-End Security Solutions
- Configuring the Firewall to Support the WLAN Controller
- Integrating the WLAN Controller with the IPS or IDS Device
- Configuring the Cisco Secure Agent

Associated Certifications & Exams

The 642-736 Implementing Advanced Cisco Unified Wireless Security (IAUWS) is the exam associated with the Cisco Certified Network Professional (CCNP) Wireless certification.

On successful completion of this course students will receive a Torque IT attendance certificate.