



Cisco's New CCNA Concentrations



CCNA Wireless - Implementing Unified Wireless Networking Essentials

The Implementing Cisco Unified Networking Essentials is a five day ILT course, designed to help students prepare for the CCNA Wireless certification, as an associate level certification specializing in the wireless field. The goal of the IUWNE v1.0 is to provide students with information and practice activities to prepare them to help design, install, configure, monitor and conduct basic troubleshooting tasks on Cisco WLAN in SMB and Enterprise installations. As an associate level, the course aims to provide entry level information, and will not specialize in any of the advanced features of the Cisco WLAN networks solutions.

Doelgroep

The primary audience for this course is as follows:

- Network Engineers
- Network Administrators
- Network Manager
- System Engineers

The secondary audience for this course is Network designers and Project managers.

Voorkennis

Before attending this course delegates must have completed the following:

- ICND1, Interconnecting Cisco Network Devices Part 1
- ICND2, Interconnecting Cisco Network Devices Part 2 or
- CCNA Basics Bootcamp (2 x 3 dagen)

It is also recommended that before attending this training delegates would have a basic knowledge of Cisco lifecycle deployment, SONA, Wireless standards (IEEE), wireless regulator environment (FCC, ETSI, etc) and wireless certification organisation (WIFI alliance).

Cursusduur

5 dagen

Certificering

CCNA - Wireless

Exam

640-721 IUWNE



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Onderwerpen:

Wireless Fundamentals

- Introducing wireless networks and topologies
- Introducing wireless LANs RF principles
- Examining antennae
- Understanding spread spectrum Technologies basics
- Examining wireless regulatory bodies, standards and certifications
- Examining wireless Frames and Physics
- 802.11 wireless Technologies and their impact on WLANs
- Wireless frame journey; end to end

Basic Cisco WLAN Installation

- Understanding Cisco Unified wireless Network architecture basics
- Configuring a controller
- Discovering and associating to a controller
- Examining the different access point operational modes
- Roaming
- Managing the network from the controller
- Configuring and migrating stand-alone access points
- Understanding the Cisco mobility express wireless architecture

Wireless Clients

- Using default configuration tools
- Describing the Cisco Secure services Client
- Understanding the Cisco Client extension program

WLAN Security

- Overview of WLAN Security
- IEEE 802.11 Security
- Centralizing WLAN security
- Describing EAP Authentications
- Managing authentication and encryption with WPA and WPA2
- Configuring Wireless Security on controllers and Clients



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WCS Administration

- Introducing WCS and Navigator
- Installing WCS
- Administering WCS
- Working with controllers from WCS
- Working with maps
- Monitoring the network with WCS

Maintenance and Troubleshooting

- Maintaining a system
- Design and site survey considerations
- Troubleshooting