

Implementing Advanced Cisco Unified Wireless Security



In this course, students will learn to secure wireless networks from security threats via appropriate security policies and best practices. The implementation of security standards and configuration of security components will be addressed. This course prepares for the exam 642-736, which is part of the CCNP Wireless Certification.

Course Contents

- Organizational and Regulatory Security Policies
- Configuring Administrative Security
- Managing WLAN Controller and Cisco WCS Alarms
- Security Audit Tools
- Configuring EAP Authentication
- Impact of Security on Application and Roaming
- Configuring Cisco Secure Services Client
- Guest Access Architecture
- Configuring Guest Access Accounts
- Design and Integrate Wireless Network with NAC
- Cisco NAC Appliance Solution
- Configuring Authentication for the WLAN Infrastructure
- Certificates and Access Control Lists
- Identity-Based Networking and WLAN Controller
- Mitigating Wireless Vulnerabilities
- Using Controller-Based IDS
- Integrating Cisco WCS with Wireless IPS
- Troubleshooting

Knowledge Prerequisites

Students need a working knowledge of Cisco IOS and WLAN. Those wishing to achieve the CCNP Wireless certification need a valid CCNA Wireless certification.



Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On www.experteach-benelux.com under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



5 days €2,695 exclusive of V.A.T.

Course date (dd.mm.yy)/Location

23.04.-27.04.12 Breda

Up-to-date information: www.experteach-benelux.com IAUW



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1. Organizational and Regulatory Security Policies

- 1.1. Describing Regulatory Compliance
- 1.2. Segmenting Traffic
- 1.3. Configuring Administrative Security
- 1.4. Managing WLAN Controller and Cisco WCS Alarms
- 1.5. Identifying Security Audit Tools

2. Secure Client Devices

- 2.1. Configuring EAP Authentication
- 2.2. Describing the Impact of Security on Application and Client Roaming
- 2.3. Configuring Cisco SSC
- 2.4. Troubleshooting Wireless Connectivity

3. Design and Implement Guest Access Services

- 3.1. Describing Guest Access Architecture
- 3.2. Configuring the WLAN to Support Guest Access
- 3.3. Configuring Guest Access Accounts
- 3.4. Troubleshooting Guest Access

4. Design and Integrate a Wireless Network with Cisco NAC Appliance

- 4.1. Introducing the Cisco NAC Appliance Solution
- 4.2. Configuring the Controller for Cisco NAC Appliance for Out-of-Band Operations

5. Implement Secure Wireless Connectivity Services

- 5.1. Configuring Authentication for the WLAN Infrastructure
- 5.2. Configuring Management Frame Protection
- 5.3. Configuring Certificate Services
- 5.4. Implementing Access Control Lists
- 5.5. Implementing Identity Based Networking
- 5.6. Troubleshooting Secure Wireless Connectivity

6. Internal and Integrated External Security Mitigations

- 6.1. Mitigating Wireless Vulnerabilities
- 6.2. Understanding the Cisco End-to-End Security Solutions
- 6.3. Integrating Cisco WCS with Wireless IPS



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