Szkolenie: Aruba
Aruba Mobility Fundamentals

**FORMA SZKOLENIA**

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<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>CZAS TRWANIA</th>
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<td>Cyfrowe</td>
<td>2400 USD NETTO*</td>
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* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

**LOKALIZACJE**

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

**DOSTĘPNE TERMINY**

2020-05-11  | 3 dni  | TRYB ZDALNY  *(Promocja, Rabat -700 USD)*
2020-05-11  | 3 dni  | TRYB ZDALNY

**Cel szkolenia:**

This course teaches the knowledge, skills and practical experience required to set up and configure a basic Aruba WLAN utilizing the OS 8.X architecture and features. Using lecture and labs, this course provides the technical understanding and hands-on experience of configuring a single Mobility Master with one controller and AP Aruba WLAN. Participants will learn how to use Aruba hardware and ArubaOS to install and build a complete, secure controller network with multiple SSIDs. This course provides the underlying material required to prepare candidates for the Aruba Certified Mobility Associate (ACMA) V8 certification exam.

**Objectives**

After you successfully complete this course, expect to be able to:

- Explain how Aruba's wireless networking solutions meet customers’ requirements
- Explain fundamental WLAN technologies, RF concepts, and 802.11 Standards
- Learn to configure the Mobility Master and Mobility Controller to control access to the Employee and Guest WLAN
- Control secure access to the WLAN using Aruba Firewall Policies and Roles
- Recognize and explain Radio Frequency Bands and channels, and the standards used to regulate them
○ Describe the concept of radio frequency coverage and interference and successful implementation and diagnosis of WLAN systems
○ Identify and differentiate antenna technology options to ensure optimal coverage in various deployment scenarios
○ Describe RF power technology including, signal strength, how it is measured and why it is critical in designing wireless networks
○ Learn to configure and optimize Aruba ARM and Client Match features
○ Learn how to perform network monitoring functions and troubleshooting

Target Audience

Typical candidates for this course are IT Professionals who deploy small-to-medium scale enterprise network solutions based on Aruba products and technologies.

Plan szkolenia:

○ WLAN Fundamentals
  ○ Describes the fundamentals of 802.11, RF frequencies and channels
  ○ Explain RF Patterns and coverage including SNR
  ○ Roaming Standards and QOS requirements
○ Mobile First Architecture
  ○ An introduction to Aruba Products including controller types and modes
  ○ OS 8.X Architecture and features
  ○ License types and distribution
○ Mobility Master Mobility Controller Configuration
  ○ An introduction to Aruba Products including controller types and modes
  ○ OS 8.X Architecture and features
  ○ License types and distribution
○ Secure WLAN configuration
  ○ Identifying WLAN requirements such as SSID name, encryption, authentication
  ○ Explain AP groups structure and profiles
  ○ Configuration of WLAN using the Mobility Master GUI
○ AP Provisioning
  ○ Describes the communication between AP and Mobility controller
  ○ Explain the AP booting sequence and requirements
  ○ Explores the APs controller discovery mechanisms
  ○ Explains how to secure AP to controller communication using CPSec
  ○ Describes AP provisioning and operations
WLAN Security
- Describes the 802.11 discovery, authentication and association
- Explores the various authentication methods, 802.1x with WPA/WPA2, Mac auth
- Describes the authentication server communication
- Explains symmetric vs asymmetric Keys, encryption methods
- WIPS is described along with rogue discovery and protection

Firewall Roles and Policies
- An introduction into Firewall Roles and policies
- Explains Aruba’s Identity based Firewall
- Configuration of Policies and Rules including aliases
- Explains how to assign Roles to users

Dynamic RF Management
- Explain how ARM calibrates the network selecting channels and power settings
- Explores the new OS 8.X Airmatch to calibrate the network
- How Client match steers clients to better APs

Guest Access
- Introduces Aruba’s solutions for Guest Access and the Captive portal process
- Configuration of secure guest access using the internal Captive portal
- The configuration of Captive portal using Clearpass and its benefits
- Creating a guest provisioning account
- Troubleshooting guest access

Network Monitoring and Troubleshooting
- Using the MM dashboard to monitor and diagnose client, WLAN and AP issues
- Traffic analysis using APPrf with filtering capabilities
- A view of Airwaves capabilities for monitoring and diagnosing client, WLAN and AP issues

Poziom trudności

Certyfikaty:
The participants will obtain certificates signed by Aruba Networks.

This course additionally prepares you for Aruba Networks Associate level certification exam: **Aruba Certified Mobility Associate (ACMA)** available at Pearson VUE test centers.
Prowadzący:

Aruba Networks Certified Trainer.