## Szkolenie: Aruba
### Aruba Mobility Fundamentals

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<tr>
<th>FORMA SZKOLENIA</th>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
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<tr>
<td>Stacjonarne</td>
<td>Cyfrowe</td>
<td>2400 USD NETTO*</td>
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<td>Stacjonarne</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
- 2020-02-05 | 3 dni | Warszawa  
  *(Promocja, Termin gwarantowany, Last minute)*
- 2020-04-27 | 3 dni | Warszawa  
  *(Promocja)*

### 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.