**COMPENDIUM CENTRUM EDUKACYJNE**

HPE

## DOSTĘPNE TERMINY

2026-03-17 | 3 dni | Kraków / Wirtualna sala
2026-04-20 | 3 dni | Warszawa / Wirtualna sala
2026-04-21 | 3 dni | Warszawa / Wirtualna sala
2026-05-19 | 3 dni | Kraków / Wirtualna sala
2026-06-23 | 3 dni | Warszawa / Wirtualna sala

## 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

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- 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.