**Cel szkolenia:**

This course teaches you the fundamental skills necessary to configure and manage modern, open standards-based networking solutions. This course consists of approximately 20% lecture and 80% hands-on lab exercises to help you learn how to implement and validate small to medium enterprise network solutions. This 3-day course prepares network professionals for the Aruba Certified Switching Associate (ACSA) V1 exam.

In this course, participants learn about ArubaOS switch technologies including: VLANs, secure access, redundancy technologies such as MSTP, link aggregation techniques including LACP, and switch virtualization with Aruba’s Virtual Switching Framework (VSF). You also learn about IP Routing including static and dynamic IP routing with OSPF. This course teaches you how to deploy Aruba wireless Access Points and configure Aruba Instant Access Point (IAP) Clustering technology. It also teaches you how to configure, manage and monitor the network with the Aruba AirWave management solution.

**Objectives**

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

- Explain how Aruba networking solutions meet customers’ requirements
- Explain how Aruba AirWave provides unified wireless and wired network management
Describe in-band management and out-of-band management
Complete the initial setup on ArubaOS switches
Control access to switches for both in-band and out-of-band management
Manage software and configuration files on ArubaOS switches
Explain use cases for VLANs and configure port-based VLANs on ArubaOS switches
Understand and configure Rapid Spanning Tree Protocol (RSTP)
Understand and configure Multiple Spanning Tree Protocol (MSTP)
Differentiate between different types of link aggregation and understand the benefits of Link Aggregation Control Protocol (LACP)
Configure and troubleshoot link aggregation on ArubaOS switches
Configure static routes on ArubaOS switches and interpret IP routing tables
Configure a basic Open Shortest Path First (OSPF) solution
Describe how Virtual Switching Framework (VSF) works and the advantages that it provides
Configure and verify a simple VSF fabric
Describe the basics of wireless communications and 802.11 standards
Define a wireless LAN (WLAN) and differentiate between wireless security options
Configure basic settings on Aruba Instant APs
Configure AirWave management settings on an IAP cluster
Configure SNMP v2c settings on ArubaOS switches
Discover ArubaOS switches in AirWave and bring switches and IAPs under monitoring and management
Implement zero touch provisioning (ZTP) for Aruba IAPs and ArubaOS switches

Target Audience
Ideal candidates are IT Professionals who deploy small-to-medium scale enterprise network solutions based on Aruba products and technologies.

Plan szkolenia:

Introduction to Aruba, a Hewlett Packard Enterprise Company
  Describe market trends that are causing customers to transform in four key Transformation Areas
  Describe how Aruba delivers the digital workplace

Switch CLI (Command Line Interface) Navigation
  Describe out-of-band management
  Complete the initial setup on ArubaOS switches
  Verify configuration
Protecting Management Access
- Explanation of in-band management
- Protect in-band and out-of-band management access
- Configure local authentication
- Control the privilege level allowed to managers

Management of Software and Configurations
- Overview of ArubaOS and file structures
- Different methods for setting the software from which to boot
- Software update
- Saving and restoring configurations

VLANS
- Explain use cases for VLANs
- Configure port-based VLANs on ArubaOS switches, using appropriate tagging
- Implement basic IP routing between directly connected VLANs or links

Spanning Tree Protocol (STP)
- Understand and configure Rapid Spanning Tree Protocol (RSTP)
- Understand how Multiple Spanning Tree Protocol (MSTP) provides load sharing and implement MSTP

Link Aggregation
- Differentiate between different types of link aggregation and understand the benefits of Link Aggregation Control Protocol (LACP)
- Configure and troubleshoot link aggregation on ArubaOS switches

IP Routing
- Configure static routes on ArubaOS switches
- Interpret IP routing tables
- Configure a basic OSPF solution

Virtual Switching Framework (VSF)
- Understand how VSF works and the advantages that it provides
- Configure and verify a simple VSF fabric

Wireless for Small-to-Medium Businesses (SMBs)
- Understand the basics of wireless communications and 802.11 standards
- Define a WLAN and differentiate between wireless security options
- Configure basic settings on Aruba Instant Access Point (IAP)
- Form an Aruba Instant cluster

Aruba AirWave
- Configure AirWave management settings on an IAP cluster
- Configure SNMP v2c settings on ArubaOS switches
- Discover ArubaOS switches in AirWave and bring switches and IAPs under monitoring and management
- Implement zero touch provisioning (ZTP) for Aruba IAPs and ArubaOS switches

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 Switching Associate (ACSA)** available at Pearson VUE test centers.

Prowadzący:

Aruba Networks Certified Trainer.