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Sign up

Aruba AOS-10 Introduction Training (IAOS10)

2 days (14 hours)

This two-day training course enables participants to acquire basic skills related to HPE Aruba Networking AOS-10. It includes both theoretical modules and hands-on exercises designed to familiarize participants with the key features of AOS-10.

By participating in this training, you will learn how to deploy HPE Aruba Networking access points and gateways. You will gain knowledge on configuring tunneling modes and micro-branches. You will discover how cloud services provide upgrade, key management, and centralized license management services.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- List the features of AOS-10
- Create groups and users
- Add and configure access points
- Add and configure gateways
- Describe tunnel transfer modes
- Configure tunnel transfer modes
- Describe the Microbranch feature
- Configure the Microbranch feature
- Describe cloud services
- Implement cloud services

Target Audience

- IT professionals specializing in networking or technical marketing professionals who wish to deepen their knowledge and develop their skills on AOS-10.

Prerequisites

- Understand the fundamentals of networking
- Understanding IP addressing
- Understanding IP routing

AOS-10 Training Program

[Day 1 - Morning]

WLAN Fundamentals and RF Basics

- RF Bands and Channels
- 802.11 Standards and Amendments
- RF Basics
- Antenna Technology
- Radio Technologies
- RF transmission power
- WLAN Mobility

[Day 1 - Afternoon]

HPE Aruba Networking Edge Services Platform (ESP) Architecture

- Network Challenges at the Edge
- Aruba Edge Services Platform (ESP)
- HPE Aruba Networking Central

AOS-10 Architecture

- Current Solutions
- AOS-10 Architecture
- Product Line
- AOS-10 Compatible Hardware

AOS-10 Access Points

- Difference from Instant APs

- What is AirMatch?
- What is ClientMatch?
- HPE Aruba Networking Central Groups
- WLAN Configuration on AOS-10 APs Only
- Monitoring

[Day 2 - Morning]

HPE Aruba Networking Firewalls and User Roles

- HPE Aruba Networking Firewalls
- Roles, Policies, and Rules
- Role Derivation
- HPE Aruba Networking Identity-Based Firewall
- Access Control Rules
- Application Rule
- Alias
- Global and WLAN Policies

[Day 2 - Afternoon]

Deployments with Gateways

- When to Use Gateways
- AOS-10 Gateway Modes
- AP-to-Gateway Connections
- Tunnel orchestration
- Switch-to-gateway connections
- Gateway-to-gateway tunnels
- Gateway cluster
- Cluster configuration
- Cluster monitoring
- Deployment with gateways
- Tunnel transfer mode
- Tunnel Orchestrator
- Configuring the SSID in tunnel mode
- Mixed transfer mode

Microbranch

- What is the HPE Microbranch solution?
- Microbranch Configuration
- Policy-Based Routing (PBR)

Cloud Services

- What Has Changed Between AOS-8 and AOS-10
- WAN Link Bandwidth Requirements
- Live Upgrade Service
- Upgrading Access Points
- Upgrading gateways
- Key Management
- Central Licenses

Target Companies

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Entry-Level Assessment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training program.