Training: Aruba
Introduction to AOS-10

TRAINING GOALS:

This 2-day course prepares participants with the foundational skills related to HPE Aruba Networking AOS10. This course includes both instructional modules and labs to teach participants about the major features of AOS10. Participants will learn how to deploy with HPE Aruba Networking access points and gateways. Participants will gain insight into configuring tunnel forwarding modes and microbranch. Par-ticipants will see how cloud services provide upgrade services, key management, and central licensing.

Objectives

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

- List the features in AOS10
- Create groups and users
- Add and configure access points
- Add and configure gateways
- Describe the tunnel forwarding modes
- Configure the tunnel forwarding modes
- Describe microbranch
- Configure microbranch
- Describe cloud services
- Implement cloud services

Target Audience

Ideal candidates are networking IT professionals or technical marketing professionals looking to expand their knowledge and skill set on AOS10.

CONSPECT:

- WLAN fundamentals and RF basics
  - RF bands and channels
  - 802.11 standards and amendments
  - RF basics

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- Antenna technology
- Radio technologies
- RF transmit power
- WLAN mobility

- HPE Aruba Networking Edge Services Platform (ESP) architecture
  - Network challenges at the edge
  - Aruba Edge Services Platform (ESP)
  - HPE Aruba Networking Central
- AOS10 architecture
  - Current solutions
  - AOS10 architecture
  - Product line
  - AOS10 supported hardware
- AOS10 Access points
  - Difference from Instant APs
  - What is AirMatch?
  - What is ClientMatch?
  - Central groups
  - Configuring WLAN on AOS10 AP only
  - Monitoring
- HPE Aruba Networking user roles
  - HPE Aruba Networking firewall
  - Roles, policies, and rules
  - Role derivation
  - Identity-based HPE Aruba Networking firewall
  - Access control rules
  - Application rule
  - Aliases
  - Global and WLAN policies
- Deployments with gateways
  - When to use gateways
  - AOS10 gateway modes
  - AP to gateway connections
  - Tunnel orchestration
  - Switch to gateway connections
  - Gateway to gateway tunnels

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    - Gateway cluster
    - Cluster configuration
    - Cluster monitoring
    - Deployment with gateways
- Tunnel forwarding mode
    - Tunnel orchestrator
    - Tunnel mode SSID configuration
    - Mixed forwarding mode
- Microbranch
    - What is Aruba's microbranch solution?
    - Microbranch configuration
    - Policy-based routing (PBR)
- Cloud services
    - What has changed from AOS8 to AOS10
    - WAN link bandwidth requirement
    - Live upgrade service
    - AP upgrade
    - Gateway upgrade
    - Key management
    - Central licensing

REQUIREMENTS:

- Networking Fundamentals
- IP addressing
- IP routing

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Aruba Networks.

TRAINER:

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Aruba Networks Certified Trainer

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