Introduction to AOS-10

Course Description

This course teaches you the foundational skills related to HPE Aruba Networking AOS-10, and includes both instructional modules and labs to teach you about the major features of AOS-10. You learn how to deploy with HPE Aruba Networking access points and gateways, and gain insight into configuring tunnel forwarding modes and microbranch. Participants also understand how cloud services provide upgrade services, key management, and central licensing.

Course Duration:

2 days

Prerequisites:

Before attending this course, you should have foundational networking experience with: Networking Fundamentals, IP addressing, IP routing

Objectives:

After completing this course, you should be able to:

- List the features in AOS-10
- 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

Course Outline:

Module 1: WLAN Fundamentals and RF Basics
- 802.11 standards and amendments
- RF bands and channels
- RF basics
- Antenna technology
- Radio technologies
- RF transmit power
- WLAN mobility

Module 2: HPE Aruba Networking Edge Services Platform (ESP) Architecture
- Network challenges at the edge
- Aruba Edge Services Platform (ESP)
- HPE Aruba Networking Central

Module 3: AOS-10 Architecture
- Current solutions
- AOS-10 architecture
- Product line
- AOS-10 supported hardware

Module 4: AOS-10 Access Points
- Difference from Instant Aps
- What is AirMatch?
- What is ClientMatch?
- HPE Aruba Networking Central groups
- Configuring WLAN on AOS-10 AP only
- Monitoring

Module 5: 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

Module 6: 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

Module 7: Tunnel Forwarding Mod
- Tunnel orchestrator
- Tunnel mode SSID configuration
- Mixed forwarding mode

Module 8: Microbranch
- What is HPE's microbranch solution?
- Microbranch configuration
- Policy-based routing (PBR)

Module 9: Cloud Services
- What has changed from AOS-8 to AOS-10
- WAN link bandwidth requirement
- Live upgrade service
- AP upgrade
- Gateway upgrade
- Key management
- Central licensing

Who Should Attend

This course is ideal for networking IT professionals or technical marketing professionals looking to expand their knowledge and skill set on AOS-10.