Course Description

This 5-day advanced level course covers HPE Aruba Networking technologies for designing mobility first networks using AOS-8. Participants will learn how to strategize their implementation and configuration and how to use their troubleshooting methodologies successfully. This course teaches how to take a complex scenario and break it down into manageable blocks while still managing your time accordingly. This course is approximately 35% lecture and 65% hands-on lab scenario-based exercises.

Course Duration:

5 days

Prerequisites:

Highly recommended prerequisite is the Configuring Mobility with AOS-8 Level 2, Rev 23.22 course.
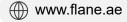
Objectives:

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

- Plan, implement, and troubleshoot enterprise multi-site HPE Aruba Networking campus wireless network, remote-access, and multi-tenant environment.
- Analyze functional requirements to create a network design and implementation plan
- Configure and validate HPE Aruba Networking WLAN secure employee and guest solutions.
- Implement advanced services and security solutions.
- Manage and monitor HPE Aruba Networking solutions.
- Perform advanced troubleshooting.

Course Outline:

- Infrastructure & Redundancy

    o Analyze functional requirements for HPE Aruba Networking architecture and troubleshooting zones
    o Mobility Master redundancy (L2 vs. L3)
    o Clustering (L2 & L3 deployment and Hitless failover)
    o Multi-controller operations

- Planning, implementing, and troubleshooting Campus AP and Remote AP Provisioning

    o WLAN provisioning
    o Secure employee WLAN
    o Guest access
    o Remote AP
    o IAP VPN development

- Planning, implementing, and troubleshooting advanced services and security solutions

  - Role derivation & firewall policies
  - Dynamic RF management (AirMatch, ARM old)
  - Voice & video optimization
  - AirGroup
  - Dynamic Segmentation
  - Multizone
  - RFProtect (WIDS/WIPS)
  - Advanced AOS-8 features
  - CPSec

- Planning, implementing and troubleshooting network management and monitoring

  - AOS Dashboard
  - AirWave
  - Spectrum Analysis
  - Monitor using ClearPass

Who Should Attend

Typical candidates are IT Professionals that are looking to further advance their expertise/knowledge on HPE Aruba Networking mobility technologies for career growth.