AOS-10 Implementation and Configuration

Category: Networking & Security | **Vendor:** HPE Aruba Networking

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this course, you will learn and implement techniques to configure and manage a network successfully using AOS-10 devices. You will examine the details of RF design, deployment, cluster and mesh architectures, Microbranch, discuss security features, and describe troubleshooting methods available for AOS-10.

About This Course

AOS-10 fundamentals

- AOS-10 architecture
- HPE Aruba Networking Central
- WLAN configuration with AOS-10 APs
- Deployment with gateways

Advanced RF design

- Advanced Wi-Fi standards
- Wi-Fi standard comparison
- AirPass
- Air Slice

Uplink management and migration

- Configuring uplinks
- Uplink types
- Ethernet uplinks
- Configuring PPPoE profile
- APIx configuration
- Cellular uplink using a HPE Aruba Networking USB LTE modem
- Configuring cellular uplink
- Wi-Fi uplinks
- Uplink management
- Configuring uplink management
- Migrating APs from AOS-8 to AOS-10
- Migrating campus APs to AOS-10

Advanced wireless security

- Authentication overview
- 802.1X authentication
- User roles and role derivation

- Dynamic authorization in AOS-10
- HPE Aruba Networking Central Cloud Authentication and Policy

Guest access

- Guest access solution
- Creating a guest network
- MAC authentication

Gateway cluster deployment

- Gateway cluster architecture
- Gateway cluster configuration options
- Gateway cluster configuration
- Tunnel orchestration
- Cluster monitoring and troubleshooting

HPE Aruba Networking EdgeConnect Microbranch

- EdgeConnect Microbranch deployment
- Microbranch configuration
- System properties configuration
- WAN properties configuration
- LAN properties configuration
- WLAN properties configuration
- Tunnels and routing

Advanced Microbranch

- VPNCs
- Policy Based Routing
- Next hop list
- Configuring services
- Configuring security

Enterprise mesh

- AOS-10 enterprise mesh solution
- Applications of mesh network
- Mesh network components
- Configuring a mesh network
- Mesh deployment architecture
- Additional features of mesh network

Internet of Things integration

- Architecture
- Key components
- IoT data connector
- Configuring APs

Dynamic Segmentation

- User Based Tunneling (UBT)
- Deployment
- How UBT works
- Monitoring

Voice optimization and UCC

- QoS
- Unified communication and collaboration

RF optimization

- RF network challenges
- AirMatch
- ClientMatch
- AirGroup
- Managing personal device visibility and sharing

Admin access and operations

- Network device access control
- TACACS+ configuration on HPE Aruba Networking Central
- Configuring TACACS+ on gateway using CLI
- Device firmware management
- Managing logs
- Packet analysis
- Managing alerts
- Managing reports

Who Should Attend

Ideal candidates are networking IT professionals or technical marketing professionals looking to expand their knowledge and skill set on AOS-10. These individuals are responsible for:

- Designing and implementing network solutions
- Managing and troubleshooting network operations
- Optimizing network performance
- Integrating new technologies
- Ensuring network security

Prerequisites & Entry Requirements

General Prerequisites:

- Introduction to AOS-10 (IAOS10)
- (!)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

- Recall the fundamental concepts of AOS-10.
- Implement RF design and network deployment features.
- Configure the uplink and manage the migration.
- Secure wireless networks using features such as WPA-3, MPSK, and RADSec.
- Design access for guest users including authentication and custom login pages.
- Configure, deploy, and manage gateway clusters and Microbranch architectures.
- Set up an enterprise mesh network.
- Configure networks to integrate IoT applications.
- Apply User Based Tunneling (UBT) on devices.
- Enable Unified Communications, Air Slice, and AirGroup services.
- Understand admin access control and operations.

Detailed Course Outline

AOS-10 fundamentals

- AOS-10 architecture
- HPE Aruba Networking Central
- WLAN configuration with AOS-10 APs
- Deployment with gateways

Advanced RF design

- Advanced Wi-Fi standards

- Wi-Fi standard comparison
- AirPass
- Air Slice

Uplink management and migration

- Configuring uplinks
- Uplink types
- Ethernet uplinks
- Configuring PPPoE profile
- APIx configuration
- Cellular uplink using a HPE Aruba Networking USB LTE modem
- Configuring cellular uplink
- Wi-Fi uplinks
- Uplink management
- Configuring uplink management
- Migrating APs from AOS-8 to AOS-10
- Migrating campus APs to AOS-10

Advanced wireless security

- Authentication overview
- 802.1X authentication
- User roles and role derivation
- Dynamic authorization in AOS-10
- HPE Aruba Networking Central Cloud Authentication and Policy

Guest access

- Guest access solution
- Creating a guest network
- MAC authentication

Gateway cluster deployment

- Gateway cluster architecture
- Gateway cluster configuration options
- Gateway cluster configuration
- Tunnel orchestration
- Cluster monitoring and troubleshooting

HPE Aruba Networking EdgeConnect Microbranch

- EdgeConnect Microbranch deployment
- Microbranch configuration
- System properties configuration
- WAN properties configuration
- LAN properties configuration
- WLAN properties configuration
- Tunnels and routing

Advanced Microbranch

- VPNCs
- Policy Based Routing
- Next hop list
- Configuring services
- Configuring security

Enterprise mesh

- AOS-10 enterprise mesh solution
- Applications of mesh network
- Mesh network components

- Configuring a mesh network

- Mesh deployment architecture

- Additional features of mesh network

Internet of Things integration

- Architecture

- Key components

- IoT data connector

- Configuring APs

Dynamic Segmentation

- User Based Tunneling (UBT)

- Deployment

- How UBT works

- Monitoring

Voice optimization and UCC

- QoS

- Unified communication and collaboration

RF optimization

- RF network challenges

- AirMatch

- ClientMatch

- AirGroup

- Managing personal device visibility and sharing

Admin access and operations

- Network device access control
- TACACS+ configuration on HPE Aruba Networking Central
- Configuring TACACS+ on gateway using CLI
- Device firmware management
- Managing logs
- Packet analysis
- Managing alerts
- Managing reports

Skills You Will Learn:

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

- Recall the fundamental concepts of AOS-10.
- Implement RF design and network deployment features.
- Configure the uplink and manage the migration.
- Secure wireless networks using features such as WPA-3, MPSK, and RADSec.
- Design access for guest users including authentication and custom login pages.
- Configure, deploy, and manage gateway clusters and Microbranch architectures.
- Set up an enterprise mesh network.
- Configure networks to integrate IoT applications.
- Apply User Based Tunneling (UBT) on devices.
- Enable Unified Communications, Air Slice, and AirGroup services.
- Understand admin access control and operations.

Frequently Asked Questions

Q: What delivery options are available for AOS-10 Implementation and Configuration?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day AOS-10 Implementation and Configuration course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AOS-10 Implementation and Configuration training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AOS-10 Implementation and Configuration?

Yes, we provide corporate training, dedicated training, and closed classes for AOS-10 Implementation and Configuration. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AOS-10 Implementation and Configuration, Aruba Products & Management, AOSIC

Q: Why choose Nexus Human for AOS-10 Implementation and Configuration?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AOS-10 Implementation and Configuration training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.