Configuring Mobility with AOS-8 Level 2

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

Certification: Certified Mobility Professional (ACMP) V8

Course Overview

This course teaches the knowledge, skills and practical experience required to set up and configure advanced features on Aruba WLAN utilizing the AOS 8.X architecture and features. This course includes lectures and labs which provide the technical understanding and hands-on experience of configuring a redundant Mobility Master with two controllers and two APs. Participants will learn how install a redundant Aruba WLAN network with clustering while using many features like Multizone for guest access, voice optimization and tunneled node. This course includes the AirWave management system and troubleshooting commands. The SWDI course provides the underlying material required to prepare candidates for the Aruba Certified Mobility Professional (ACMP) V8 certification exam.

About This Course

Introduction

- Review topics from the IAW V8 course
- AP terminology
- GUI Hierarchy
- WLAN forwarding modes
- Explain the features of AOS 8

Mobility Master Redundancy

- Explain VRRP setup
- DB synchronization procedures
- Validating MM DB synchronization

Mobility Master and MC Operations

- Grow the network to multiple controllers
- Review the configuration hierarchy
- MC deployments methods
- Explain advanced license features

Multizone

- Describe Multizone
- Explain Multizone AP functional flow
- Describe the functions of primary and data zones
- Troubleshooting Multizone setup

Introduction to MC clusters

- Reviews advantages of a MC cluster
- The cluster leader election process
- Defines the MC cluster roles
- AP and user mapping into a cluster

- Requirements for hitless cluster failover
- AP and user load balancing within the cluster

Mobility

- Explain standard 802.11 roaming
- Describes single and multi-controller roaming
- Defines the advantages of cluster mobility

Role Derivation

- Review of policies and rules
- Explains role derivation using VSAs
- Description of user rules
- Description of authentication default roles
- Explains how to troubleshoot role derivation

Remote Access

- Review of all remote access methods RAP/ VIA / IAP-VPN / branch controller
- Explains RAP certification and setup methods
- Configuration of RAP WLAN
- Explores the options for RAP redundancy
- Explains how to troubleshoot RAP setup
- VIA configuration, downloading and installation
- Explains how to troubleshoot VIA setup

Voice Optimization

- Review of voice QOS
- Explanation of WMM
- Description of UCC Heuristic and SDN API mode
- Monitoring and troubleshooting voice connections

Mesh

- Explains mesh networks and technology
- Configuration of mesh clusters

Administration

- Explains management accounts and password reset
- Configuration of guest provisioning accounts
- The use of authentication using RADIUS or TACACS
- Describes how to disable console access

Operations

- Explains how to upgrade new images
- Describes AP preloading
- Explains cluster in service upgrade
- Auto roll backs of configuration
- Describes loadable in service modules

AirGroup

- Explains the Aruba AirGroup solution
- Configuration of AirGroup with limitations
- Explores the integration with ClearPass
- Monitoring AirGroup servers and users

Tunneled Node

- Explains port based tunneled node
- Explains user based tunneled node
- Describes the interaction between switches and Mobility controllers
- Explains how to troubleshoot tunnel connections

AirWave Introduction

- Explains the different features of AirWave
- The use of groups and folders

- AirWave features description
- Configuration of device credentials and adding devices

AirWave Network Health

- Explains diagnostic page indications
- Describe network health graphs to identify network issues
- Performance graphs to help in network planning
- The use of clarity to direct administrator to the source of the problem

AirWave Client and Device Troubleshooting

- Explains how to find a client and troubleshoot association issues
- Diagnosing associated client issues
- Investigating client SNR
- Describes AP, network and controller diagnosing
- Explains how to monitor a MC cluster within AirWave

AirWave VisualRF, Reports and Alerts

- Explains the different VirtualRF display options
- Describes the VisualRF application monitoring
- Configuration of triggers to create alerts
- Generation of 22 type of reports as well as custom report

Who Should Attend

Typical candidates for this course are IT professionals who deploy Aruba WLAN with advanced features and individuals who need a basic understanding of AirWave.

Prerequisites & Entry Requirements

General Prerequisites:

Suggested prerequisites:

Configuring Mobility with AOS-8 Level 1 (CAM1)

We recommend prior attendance of the courses

- Wireless Fundamentals 1 (WFUN1) and Wireless Fundamentals 2 (WFUN2) or
- Certified Wireless Network Administrator (CWNA)

Learning Outcomes

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

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

- Explain the integration Mobility Masters and Mobility controllers
- Describe redundancy giving the user seamless failover
- Setup secure guest access using Multizone
- Explain the uses and advantages of clustering
- Describe user mobility in the wireless spectrum
- Integrate voice over WiFi and give QOS
- Explain how roles are assigned to users wireless or wired
- Learn to setup remote access using RAPs or VIA
- Describe how to create a mesh cluster
- Learn the advantages given to AirGroup when leveraged on an Aruba network
- Integrating wire users into the security given to wireless users
- Learn how to use AirWave to monitor the health of the network
- Learn how to useAirWave to troubleshoot client
- Explain AirWave’s Virsual RF feature as well as alerts and triggers

Skills You Will Learn:

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

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Frequently Asked Questions

Q: What delivery options are available for Configuring Mobility with AOS-8 Level 2?

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: What certification does this course prepare me for?

The Configuring Mobility with AOS-8 Level 2 course helps prepare you for the Certified Mobility Professional (ACMP) V8 certification path.

Q: How many CPD hours does this course provide?

The 5-day Configuring Mobility with AOS-8 Level 2 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 Configuring Mobility with AOS-8 Level 2 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 Configuring Mobility with AOS-8 Level 2?

Yes, we provide corporate training, dedicated training, and closed classes for Configuring Mobility with AOS-8 Level 2. 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: Configuring Mobility with AOS-8 Level 2, Aruba Mobility, CAM2

Q: Why choose Nexus Human for Configuring Mobility with AOS-8 Level 2?

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 Configuring Mobility with AOS-8 Level 2 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)

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