



Configuring Mobility with AOS-8 Level 2 (AR-CAM2)

Course Description

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 to 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.

Course Duration:

5 days

Prerequisites:

Aruba Mobility Fundamentals

Objectives:

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 use AirWave to troubleshoot client
- Explain AirWave's Virtual RF feature as well as alerts and triggers

Course Outline:

- Introduction
 - Review topics from the Aruba Mobility Fundamentals 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
 - IPv6 support for the redundancy
- 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
 - Role based ACL
- Remote Access
 - Review of all remote access methods RAP/ VIA / IAP-VPN / branch controller
 - Explains RAP certification and setup methods
 - Internal and external(CPPM) whitelisting of RAP
 - 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
 - Explains Tri-radio Mesh support

Who Should Attend

Typical candidates for this course are IT Professionals who deploy small-to-medium scale enterprise network solutions based on Aruba products and technologies