

Implementing Aruba Mobility

- **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

- **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

- **Dynamic Segmentation**
 - Explains Port-Based Tunnelling (PBT)
 - Explains User-Based Tunnelling (UBT)
 - 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 reports