

Aruba Mobility Fundamentals

- **WLAN Fundamentals**
 - Describes the fundamentals of 802.11, RF frequencies and channels
 - Explain RF Patterns and coverage including SNR
 - Roaming Standards and QOS requirements
- **Mobile First Architecture**
 - An introduction to Aruba Products including controller types and modes
 - OS 8.X Architecture and features
 - License types and distribution
- **Mobility Master Mobility Controller Configuration**
 - Understanding Groups and Subgroups
 - Different methods to join MC with MM
 - Understanding Hierarchical Configuration
- **Secure WLAN configuration**
 - Identifying WLAN requirements such as SSID name, encryption, authentication
 - Explain AP groups structure and profiles
 - Configuration of WLAN using the Mobility Master GUI
- **AP Provisioning**
 - Describes the communication between AP and Mobility controller
 - Explain the AP booting sequence and requirements
 - Explores the APs controller discovery mechanisms
 - Explains how to secure AP to controller communication using CPSec
 - Describes AP provisioning and operations
- **WLAN Security**
 - Describes the 802.11 discovery, authentication and association
 - Explores the various authentication methods, 802.1x with WPA/WPA2, Mac auth
 - Describes the authentication server communication
 - Explains symmetric vs asymmetric Keys, encryption methods
 - WIPS is described along with rogue discovery and protection

- **Firewall Roles and Policies**

- An introduction into Firewall Roles and policies
- Explains Aruba's Identity based Firewall
- Configuration of Policies and Rules including aliases
- Explains how to assign Roles to users

- **Dynamic RF Management**

- Explain how ARM calibrates the network selecting channels and power settings
- Explores the new OS 8.X Airmatch to calibrate the network
- How Client Match and ClientInsight match steers clients to better Aps

- **Guest Access**

- Introduces Aruba's solutions for Guest Access and the Captive portal process
- Configuration of secure guest access using the internal Captive portal
- The configuration of Captive portal using Clearpass and its benefits
- Creating a guest provisioning account
- Troubleshooting guest access

- **Network Monitoring and Troubleshooting**

- Using the MM dashboard to monitor and diagnose client, WLAN and AP issues
- Traffic analysis using APPrf with filtering capabilities
- A view of Airwaves capabilities for monitoring and diagnosing client, WLAN and AP issues