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Aruba Mobility Fundamentals – ACMA

| CODE: | LENGTH: | PRICE: |
|---------|-------------------|-------------|
| ARU_IAW | 24 Hours (3 days) | kr19,900.00 |

Description

This course teaches the knowledge, skills and practical experience required to set up and configure a basic Aruba WLAN utilizing the OS 8.X architecture and features. Using lecture and labs, this course provides the technical understanding and hands-on experience of configuring a single Mobility Master with one controller and AP Aruba WLAN.

Participants will learn how to use Aruba hardware and ArubaOS to install and build a complete, secure controller network with multiple SSIDs. This course provides the underlying material required to prepare candidates for the [Aruba Certified Mobility Associate \(ACMA\) v8](#) certification exam.

Audience

IT Professionals who deploy small-to-medium scale enterprise network solutions based on Aruba products and technologies.

Prerequisites

Students are expected to come to the class with knowledge of Aruba's products. A conceptual knowledge of VLANs and network data flow & control helps frame the specifics of Aruba's network architecture. Students taking this class may complete the following self-paced online courses available to view at no charge on the Aruba Web Site:
[Wired Fundamentals](#) gives a brief overview of the wired networking principles used in Aruba products.
[Wireless Fundamentals](#) outlines wireless networking concepts and technology.

Programme

Course Contents

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 An introduction to Aruba Products including controller types and modes

OS 8.X Architecture and features License types and distribution **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

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 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

Session Dates

På begäran, [kontakta oss](#)

Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)