

# Aruba Mobility Boot Camp

This class combines the IAW and SWDI classes into a single 5-day class. Students registering for this class should be prepared for an accelerated format of the IAW and SWDI classes. A prerequisite understanding of wireless fundamentals is mandatory, as well as VLAN fundamentals, data flow and control in a network, and basic routing principles. The lab-intensive course is designed to provide students the knowledge, skills and practical experience required to set up and configure the Aruba WLAN in a variety of network scenarios. Successful conclusion of the course prepares the participant for the Aruba Certified Mobility Professional Exam (ACMP) offered through PearsonVue test centers. A voucher is provided at the end of the class for one free exam.

The MBC (Mobility Boot Camp) course is an Instructor led class taught by a live instructor with equipment on site at the students training facility. If the facility has the required internet access then the Remote LAB environment is used with instructor on site.

## Course content

### **Aruba Architecture**

Aruba Product Review, Aruba Network Architecture Components, Software Architecture Components

Aruba Solution – How it works, Campus and Remote Network Design, Aruba Scalable Design, Controller Roles, Theory of Operation, LAB

### **Initial Setup**

Web UI: Guided Tour, Initial Setup Wizards, AP Wizard, Controller Wizard, Campus WLAN Wizard, Remote AP Wizard, WIP Wizard, AirWave Wizard ,What these Wizards do, A look at where the wizards place information, Licenses, Monitoring Dashboard, LAB

### **WLAN Configuration**

WLAN setup Wizard, Creating a secure Employee WLAN, AP Groups, LAB

### **AP Provisioning**

AP Booting Procedures, AP Provisioning Overview, AP and controller communication, Troubleshooting AP boot and controller communication, AP provisioning, Provision via the AP Wizard, Provisioning Manually

Basic troubleshooting, AP Profiles, AP LEDs, LAB

### **Authentication**

Security Overview, Encryption Suites and their configuration, Authentication Methods, SSID, MAC authentication and configuration, Captive Portal, 802.1X Configuration, Server Groups, LAB

### **Advanced Authentication**

Authentication Server Advanced Configuration, 802.1X Configuration Options, AAA Fast Connect, Machine Authentication, LAB

## **Firewall Policies**

Firewall overview, Features, Stateful inspection vs. ACLs, Policies and rules Components, Aliases, Destinations, Application Services, Policy Construction and Configuration, Counter Measures: Blacklisting Clients, Global firewall settings, Valid user acl, OS Fingerprinting, Troubleshooting, Viewing firewall traffic in the dashboard, LAB

## **Roles**

Explanation of roles, Creating and applying roles, Applying and restricting policies to Groups, Role derivation processes, User derived rules, Server derived rules, Default roles, Statefull Firewall setting, Bandwidth Contracts, Global and Role ACLs, Dashboard, Best Practices, Troubleshooting roles and policies, LAB

## **ARM**

ARM Functional Description, Scanning, Client match, Spectrum Analysis, LAB

## **Captive Portal**

Aruba's Guest Access solution, Captive Portal Process, Captive Portal configuration steps, Customizing Captive Portal, Using WLAN Wizard, Troubleshooting Captive Portal, Guest Provisioning Account, Guest Provisioning Customization, LAB

## **Remote AP**

Remote AP Overview, Aruba's Remote AP solution, Remote AP architectures, RAP Forwarding Modes  
RAP Operations mode, RAP Whitelist, Remote AP configuration steps, Remote AP provisioning, Troubleshooting

## **Wired Access**

Secure Jack, Wired Multiplexers, Configuring Secure Jack operation, Lab

## **Master/local operation**

Master/local benefits, Inter-controller IPsec, Controller specific AP Groups, Multi Controller AP Configuration  
VLAN Pooling, Named Vlans, AP Termination, Remote Node operations, Lab

## **Mobility**

802.11 mobility review, Single Controller vs Multi Controller, L2 vs. L3 mobility, Understanding mobility domains, Configuring mobility domains, Lab

## **Master redundancy**

Understanding master redundancy, Master Redundancy DB Synchronization, Configuring master redundancy and VRRP, Lab

## **Local redundancy**

Types of AP redundancy, Understanding N+1 redundancy, Understanding active-active redundancy using VRRP, Lab

## **Wireless intrusion prevention**

L1 attacks, L2 attacks, Rogue Detection and Containment, Threats and countermeasures, DoS Attacks  
Surveillance, Impersonation/Man-in-the-Middle, Unauthorized Device Detection and Containment, Access Monitor, Best Practice, Management of IDS events, Rogue AP detection, location, and containment, Lab

### **RFProtect**

RFProtect features, Access Points and Air Monitors, Creating Air Monitors, Rogue AP detection, location, and containment, Rogue Classification, Configuring rule based classification, L3 Rogue Classification  
Configuring containment, Wired Containment, Threats and countermeasures, Configuring IDS using wizard  
WebUI Monitoring, IDS events logging, Lab

### **Mesh**

Mesh Operations, Mesh Solutions, Mesh Clusters, Configuration of Mesh Portals Mesh Points  
Remote Mesh Portal, Mesh Troubleshooting, Lab

### **Number of days**

4 days

### **Prices**

DKK 25.000 per student

### **Contact information:**

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