



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

---

**Puoi raggiungerci qui**

Arrow ECS Srl - Via Lancia 6/a - 39100 Bolzano

Email: [training.ecs.it@arrow.com](mailto:training.ecs.it@arrow.com)

Phone: +39 0471 099 134



## Implementing Aruba Mobility

CODE:	LENGTH:	PRICE:
ARU_IAM	40 Hours (5 days)	Request Price

### 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. The SWDI course provides the underlying material required to prepare candidates for the Aruba Certified Mobility Professional (ACMP) V8 certification exam.

### Objectives

After you successfully complete this course, expect to be able to:

- Explain the integration of 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 wired 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

### Audience

Typical candidates for this course are IT professionals who deploy Aruba WLAN with advanced features and individuals who need a basic understanding of AirWave.

### Programme

- Introduction
- Review topics from the IAW V8 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 deployment 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  
Tunneled Node  
Explains port based tunneled node  
Explains user based tunneled node  
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 report

### **Follow on courses**

Aruba Advanced Mobility Troubleshooting & Solutions (AAMTS)

### **Test and Certification**

This course is part of the following Certifications: Aruba Certified Mobility Professional (ACMP)

### **Session Dates**

Su richiesta. Contattaci al n.ro +39 0471 099134 oppure via mail a [training.ecs.it@arrow.com](mailto:training.ecs.it@arrow.com)

### **Informazioni aggiuntive**

Questa formazione è disponibile anche come formazione in loco. Per favore, contattaci per saperne di più.