



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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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

Informazioni aggiuntive

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