Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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

Email: 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 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 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 wire users into the security given to wireless users
Learn how to use AirWave to monitor the health of the network
Learn how to useAirWave to troubleshoot client
Explain AirWave's Virsual 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 deployments 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

his 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.