

Implementing Aruba WLAN 8 (IAW) HOLL3S

HPE course number	HOLL3S
Course length	3 days
Delivery mode	ILT, VILT
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The Implementing Aruba WLAN course is a lab-intensive course designed to prepare participants with the knowledge, skills and practical experience required to set up and configure a basic Aruba WLAN.

Audience

This course is intended for:

- Network and System Administrators required to set up and configure a basic Aruba WLAN.

Prerequisites

Before attending this course, students must have:

- Basic WLAN terminology and concepts
- Knowledge of wired and wireless networking design and operations
- Experience installing network monitoring software

Course Objectives

- Learn about fundamental WLAN technologies and RF concepts.
- Discussion of WLAN organizations.
- Understand Radio Frequency Bands and channels, standards used to regulate them, and ensure interoperability between devices.

- Learn about radio frequency coverage and interference.
- Learn about antenna technology, and how various options can help ensure you get the right coverage in various deployment scenarios.
- Learn about RF power, signals strength, and how it is measured.
- Introduction to WLAN mobility concepts, users roaming while remaining connected.

Certifications and related examinations

This course provides the underlying material required to prepare candidates for the ACMA 8.0 exam.

Benefits to you

This course will enhance your knowledge and skills in several areas of wireless networking. You will gain proficiency in using the Aruba WLAN products. As a learner, you will have sole control of your set of equipment, in a zero risk environment dedicated for you.

Detailed couser overview

Module 1 - WLAN Fundamentals and RF Basics	<ul style="list-style-type: none">• WLAN Organizations• RF Bands and Channels• 802.11 Standards and Amendments• RF Basics• Antenna Technology• RF Transmit Power• WLAN Mobility
Module 2 – Mobile First Architecture	<ul style="list-style-type: none">• Product Line and Portfolio• Controller Modes• 8.X Architecture• Partial vs. Hierarchical Configuration• 8.X Features• The Aruba Solution• Licensing
Module 3 - Mobility Master Mobility Controller Configuration	<ul style="list-style-type: none">• VM Installation• Hierarchy• Mobility Controller Setup• Hierarchical Configuration• MC Local Configuration
Module 4 - Secure WLAN Configuration	<ul style="list-style-type: none">• WLAN Components• AP Group Structure• Use AOS UI to Create a WLAN
Module 5 - AP Provisioning	<ul style="list-style-type: none">• AP & Controller Communication• Controller Discovery Mechanism• CPSec• AP Provisioning• AP Operation• Basic Troubleshooting
Module 6 - LAN Security	<ul style="list-style-type: none">• 802.11 Negotiation• Authentication Basics• User Authentication• Machine Authentication• Authentication Servers• Encryption
Module 7 - Firewall Roles & Policies	<ul style="list-style-type: none">• Aruba Integrated Firewall Introduction• Policies and Rules• Roles
Module 8 - Dynamic RF Management	<ul style="list-style-type: none">• Adaptive Radio Management (ARM)• AirMatch• Legacy Client Match• Client Match on MM/MD

Module 9 - Guest Access

- Aruba Guest Access Solution
- Captive Portal Process
- Guest Provisioning Account
- Troubleshoot captive portal
- Guest Access with ClearPass

Module 10 - Network Monitoring & Troubleshooting

- Client Dashboard
 - Monitoring Performance
 - Monitoring through Airwave
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