

Configuring Aruba Instant AP, Rev 21.21

Duration: 3 Days

Course Description:

The lab-intensive Aruba Instant AP(IAP) course is designed to provide students the knowledge, skills, and practical experience required to set up and configure an IAP cluster with WLAN. Using lecture and labs, the class provides the technical understanding and hands-on experience of configuring a WLAN with a cluster of IAPs. Candidates will also learn to configure with 802.1X and Captive portal authentication, and Firewall settings. The class also provides troubleshooting skills. Other topics covered are advanced services such as ARM, Mesh setup, VPN to a controller, roaming between clusters, IDS/IPS and, configuring IoTs. This IAP class can be coupled with an AirWave or Central class for management and configuration purposes.

Target Audience:

This course is ideal for technical personnel who want to deep-dive into Aruba Instant Access Points.

Course Outlines:

IAP Introduction

- Description and features
- IAP clusters
- VC election
- Country codes
- GUI interface
- Initial setup
- Dynamic installation

WLAN

- WLAN wizard
- WLAN VLAN selection
- WLAN authentication
- Instant SSID
- Zones

Captive Portal

- Configuring Captive portal
- VLAN assignment and Guest Roles
- CP Page
- Splash page
- External CP

Firewall

- Access Rules
- Unrestricted, network-based Role based Rules
- Extended actions
- Role Derivation

AirGroup

- AirGroup features
- Configuration of AirGroup in an IAP cluster
- AirGroup between Clusters
- Monitoring AirGroups

Monitoring & Troubleshooting

- Client GUI page
- Client view
- Support commands
- IAP logs
- IAP GUI view
- IAP Network View (WLAN)
- Spectrum Analysis
- AppRF

ARM

- Introduction
- Scanning
- Indices
- Band steering
- Airtime Fairness
- Client match
- RF Neighborhood
- Support Commands

Mesh, Wired Access & Uplink

- Mesh Setup
- Outdoor mesh
- Wired access Options and configuration
- Uplink Options and Configuration

Roaming

- Roaming within a cluster
- HAP table
- Roaming between clusters
- Roaming back home
- Roaming load balancing

VPN

- VPN deployments
- VPN tunneling
- Controller IAP VPN configuration
- DHCP L2 Options (L2 Distributed, Centralized)
- DHCP L3 Options (L3 Distributed, Centralized)
- VPN troubleshooting

DHCP

- DG, DHCP options
- Local
- Centralized
- WLAN & Infrastructure
- Troubleshooting

IDS/IPS

- Classification
- Attacks
- Rogue Detection
- Containment
- IDS monitoring and commands

Administrative Tasks

- Backup and Restore
- Configuration Reset and IAP reset
- Converting IAP to RAP / CAP Admin User Roles
- Certification
- Centralized Management Options

Configuring IoT

- Enabling IAP for IoT communications
- Supported Vendors
- IoT Radio types, radio and modes

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