Managing Campus Networks with the Airwave Management Platform

Category: Networking & Security | **Vendor:** HPE Aruba Networking

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This hands-on course prepares you with the knowledge and experience required to install and use the AirWave Wireless Management Suite: AirWave Management Platform (AMP), RAPIDS, Visual RF, network health diagnostics, client troubleshooting, alerts and reporting. In this course, you learn about AirWave’s capabilities in troubleshooting network health and client status via the various stages of association and authentication, as well as redundancy and master consoles for large networks.

About This Course

- Introduction to AWMS
- Installing AWMS
- Adding Device to AWMS
- IAP Organizaion and Groups
- Using Visual RF and Visual RF Plan
- Network Health
- Troubleshooting Clients and Wireless Networks
- Rogue Detection and Using RAPIDS
- Managing Administrative Access, Alerts, Triggers and Reporting
- Scalability and Redundancy
- System Administration
- Wired Device Management
- AirWave Aruba Groups
- IAP Template Configuration
- IAP GUI Configuration

Who Should Attend

Ideal candidates are Network Administrators who monitor and troubleshoot wireless networks, and Network and System Administrators responsible for installing and configuring network monitoring systems.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

- Install AWMS 8.2.10
- Demonstrate adding devices on the network to the Airwave Management Server
- Understand Visual RF heatmaps and location information
- Demonstrate how to troubleshoot wireless network issues using Airwave
- Understand how to use RAPIDS to identify and locate rogues
- Demonstrate how to manage and administer an Airwave Management Suite and configure Devices using AWMS

Detailed Course Outline

Introduction to AWMS

- Airwave Platform
- Features and Benefits of AMP RAPIDS and Visual RF
- Airwave products
- Basic operations using AWMS

Installing AWMS

- Installing AMP
- Hardware requirements
- Cent OS and AWMS software
- Basic configuration steps
- Upgrade AWMS software
- Licensing AWMS

- AWMS documentation

Adding Device to AWMS

- Folders and Groups
- Adding devices general process
- Manually adding devices
- Device discovery and managing device discovery
- Moving a device to a folder
- Troubleshooting

IAP Organizaion and Groups

- Overview of IAP
- Airwave integration
- Golden configuration
- IAP Organization options
- IAP Whitelist

Using Visual RF and Visual RF Plan

- Navigation
- Setup
- Heat-maps and location information
- Import floorplan graphics
- Plan deployments
- Provision APs
- Manage Visual RF performance

Network Health

- Diagnostics page indicators

- Network performance tabs

- Source of issues

- Network issues

Troubleshooting Clients and Wireless Networks

- Searching for users and Diagnostics tab

- Client issues

- Network issues

- AP issues

- Switch/Controller issues

- General Issues

Rogue Detection and Using RAPIDS

- Why use RAPIDS

- Threat Detection Methods

- Rules

- Classifications

- IDS Events Report

- New Rogue Devices Report

- Visualization

- PCI Compliance

- WMS Offload

Managing Administrative Access, Alerts, Triggers and Reporting

- Configure role-based administrative use access to the AMP system

- Triggers

- Alerts

- Define and generate reports

Scalability and Redundancy

- VM Redundancy

- Failover for Redundancy

- Master Console for large deployments

- Multiple AMP Server deployments

- Large Deployment example

System Administration

- AMP Maintenance

- Device Maintenance

Wired Device Management

- Monitoring wired devices in AWMS

- Wired device port and interface information

- Wired device bandwith statistics and counters

- Managing and configuring wired devices via AWMS templates

AirWave Aruba Groups

- How AWMS configures devices

- Using groups to control policies

- Creating and controlling groups

- Basic Group Design

- Configuration Audits

IAP Template Configuration

- Fetching a Template

- Template Variables

- Templates Configuration

IAP GUI Configuration

- Golden configuration

- GUI mode

- GUI configuration

Skills You Will Learn:

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

- Install AWMS 8.2.10
- Demonstrate adding devices on the network to the Airwave Management Server
- Understand Visual RF heatmaps and location information
- Demonstrate how to troubleshoot wireless network issues using Airwave
- Understand how to use RAPIDS to identify and locate rogues
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Frequently Asked Questions

Q: What delivery options are available for Managing Campus Networks with the Airwave Management Platform?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Managing Campus Networks with the Airwave Management Platform course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Managing Campus Networks with the Airwave Management Platform training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Managing Campus Networks with the Airwave Management Platform?

Yes, we provide corporate training, dedicated training, and closed classes for Managing Campus Networks with the Airwave Management Platform. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Managing Campus Networks with the Airwave Management Platform, Aruba Products & Management, MCNAA

Q: Why choose Nexus Human for Managing Campus Networks with the Airwave Management Platform?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Managing Campus Networks with the Airwave Management Platform training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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