Advanced Network Management with HPE Aruba Networking Central (AR-AMACC)

Course Description

This 2-day course teaches students how HPE Aruba Networking Central services can improve network visibility, security, and automation. Students will learn how Client Insights gives the network administrator deep knowledge about the devices connected to the network and how they behave. Through the integration of Cloud Auth and cloud identity stores, such as Azure AD and Google Workspace, HPE Aruba Networking Central can provide user and client access policy on any managed network with no extra hardware or on-prem authentication server. Students will also learn more about the HPE Aruba Networking Central API options and capabilities.

Course Duration:

2 days

Prerequisites:

The suggested prerequisites for this course are to attend the Network Management with HPE Aruba Networking Central (AOS-10) course or pass the Aruba Product Specialist - Central assessment exam.

Objectives:

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

- Identify and profile client devices using Client Insight
- Utilize Cloud Auth for user and client access policies
- Explain the types and difference of API's and how to leverage with HPE Aruba Networking Central
- Upload and deploy certificates for APs, gateways, and switches

Course Outline:

Client Insight

- Purpose of Client Insight
- Analyze and identify type of data from various devices
- Profile client device
- Lab
    - o Identify and determine types of devices and appropriate role to be assigned
- Troubleshooting in Client Insight

Cloud Auth

- Purpose of Cloud Auth
- Labs

    o Control network access of profiled devices
    o Integrate with Azure
    o Integrate with Google Workspace
    o Create network access policies
    o Authenticate source using Azure and Workspace

- Troubleshooting

    o Auth failure
    o Integration failure
    o Wrong policy assigned

Advanced API

- Use cases: Understanding the benefits of API (generic)
- Leveraging APIs for HPE Aruba Networking Central configuration & auth records
- REST API

    o Explain and how it interfaces with HPE Aruba Networking Central
    o Token management
    o REST API Use Cases
    o Lab- Interface REST API with HPE Aruba Networking Central
    o Troubleshooting REST API

- Streaming API

    o Explain Streaming API and how it interfaces with HPE Aruba Networking Central
    o Describe advantages to Streaming API
    o Explain how Steaming API differentiates from other APIs
    o Streaming API use cases
    o Troubleshooting Streaming API'

- Webhooks

    o Explain purpose of Webhooks
    o Review the UI in HPE Aruba Networking Central and how it integrates with Webhooks
    o Web Hooks use cases
    o Labs
        o Create and update Webhooks through UI
        o Refresh Webhooks token
        o Get or update Webhooks settings
        o Configure Webhooks alerts and notifications
        o Use tool to test Webhooks (Webhook.site) and generate an alert to see JSON message
    o Troubleshooting Webhooks

Certificates management with HPE Aruba Networking Central

- Explain certificates and certificate processes and PKI as they relate to HPE Aruba Networking Central
- Comparison chart on the types of certificates and their use

    o Server certificate
- Labs

    o Upload new certificates
    o Deploy certificates for APs, gateways, and switches
    o Troubleshooting certificate management

AOS-S Switch Configuration

- AOS-S group configuration
- UI group
- Template group
- Monitoring

AOS-CX Switch Configuration

- AOS-CX group configuration

Central Support/Resources

- HPE Aruba Networking Central On-Line Help
- Communities
- Resources

Who Should Attend

Ideal candidates are networking IT professionals or technical marketing professionals looking to expand their knowledge and skill set on the HPE Aruba Networking Central platform.