Aruba Networking Certified Professional – Network Security (ANCP-NS)

Implementing Network Security, Rev. 24.41

Objective

This training will help administrators use the HPE Aruba Networking portfolio to implement a Zero Trust Security (ZTS) protection model for their networks. Attending the course will teach you how to:

- Configure HPE Aruba Networking infrastructure with ClearPass solutions to authenticate/control both wired & wireless users, as well as remote users through Security Service Edge (SSE).

- Collect contextual information with ClearPass Policy Manager (CPPM) & implement advanced role mapping as well as enforcement policies.

- Use ClearPass Device Insight to enhance visibility.

- Set up features such as the AOS-CX Network Analytics Engine (NAE), HPE Aruba Networking Wireless IDS/IPS (WIDS/WIPS), & gateway IDS/IPS.

- Investigate alerts.

Duration: 40 HRS

Ideal candidate for this course

Typical candidates for this course are network engineers responsible for implementing security controls on enterprise networks. Learners can describe the network security stack (firewall, proxy, remote access, IDS/IPS, access control, NTA, UEBA).

Suggested prerequisites

It is strongly recommended that the candidate has attended the HPE Aruba Networking Security Fundamentals course prior to attending this professional level course. Or have equivalent experience and knowledge of network security fundamentals.

Topics

- HPE Aruba Networking Security Strategy and ClearPass Fundamentals

- Deploy Trusted Certificates

- Implement Certificate-Based 802.1X

- Implement Advanced Policies on the Role-Based AOS Firewall

- Evaluate Endpoint Posture

- Implement a Trusted Network Infrastructure

- Implement 802.1X and Role-Based Access Control on AOS-CX

- Implement Dynamic Segmentation on AOS-CX Switches

- Monitor with Network Analytics Engine (NAE)

- Implement WIDS/WIPS

- Use CPPM and Third-Party Integration to Mitigate Threats

- Implement Device Profiling with CPPM

- Device Profiling with HPE Aruba Networking

- Deploy ClearPass Device Insight

- Integrate Device Insight with CPPM

- Use Packet Captures To Investigate Security Issues

- Secure Remote and Branch Access

- Configure HPE Aruba Networking Gateway IDS/IPS

- Use HPE Aruba Networking Central Alerts