Implementing HPE Aruba Networking Security, Rev. 24.41

Course description

The Implementing HPE Aruba Networking Security course covers intermediate security concepts & prepares you to take the Aruba Certified Professional - Network Security (ACP -NS) exam. It helps administrators use the HPE Aruba Networking portfolio to implement a Zero Trust Security (ZTS) protection model for their networks. Learn to configure Aruba network infrastructure with ClearPass solutions to authenticate/control both wired & wireless users, as well as remote users through Security Service Edge (SSE). Learn to 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), Aruba Wireless IDS/IPS (WIDS/WIPS), & gateway IDS/IPS. Learn to investigate alerts.

Updates to this course went live on October 15, 2024. See Release Notes for details.

Course ID	0001210365
Course format, Typical duration	Select one: ILT - Instructor Led, 5 days VILT - Virtual Instructor Led, 5 days
Skill level	Intermediate
Delivery languages	English
Lab required	Yes
In preparation for these exams	Selected items from this course are included in these exams: • HPE Aruba Networking Security Professional Exam

Register for this course.
Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.

Ideal candidate for this course

Network engineer responsible for implementing security controls on enterprise networks. Candidate 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

Objectives

After you successfully complete this course, expect to be able to:
1. Protect and Defend:

- Define security terminologies
- PKI
- Zero Trust Security
- WIPS & WIDS
- Harden devices
- Securing network infrastructure
- Securing L2 & L3 protocols
- Secure a WLAN
- Deploy AAA with CPPM
- Secure a wired LAN
- Deploy AAA with CPPM
- Deploy 802.1x
- Deploy certificate based authentication for users & devices
- Secure the WAN
- Understand Aruba's SD-Branch for automating VPN deployment
- Design and deploy VPN with Aruba's VIA client
- Classify endpoints
- Deploy endpoint classification to devices
- Integrate ClearPass and CPDI

2. Analyze:

- Threat detection
- Investigate Central alerts
- Interpret packet captures Evaluate endpoint postures
- Troubleshooting
- Deploy and analyze results from NAE scripts
- Endpoint classification
- Analyze endpoint classification data to identify risks
- Analyze endpoint classification data on CPDI

3. Investigate:

- Forensics
- Explain CPDI capabilities of showing network conversations on supported Aruba devices

How to register

View the Certification and Learning Global Training Calendar to register for the training offerings that best meets your needs.

For more information

Contact our program