HPE aruba
networking

HPE Network Security Professional Exam

Exam description

This exam validates understanding of intermediate security concepts, including implementing Zero Trust Security and protecting network threats, configuring HPE Aruba Networking infrastructure and ClearPass solutions to authenticate and control wired and wireless users, collecting contextual information on ClearPass Policy Manager, implementing advanced role mapping and enforcement policies, and using ClearPass Device Insight enhancing visibility.

Updates to the certification exam and course went live on October 15, 2024. See Release Notes

Ideal candidate for this exam

Typical candidates for this exam are network engineers responsible for implementing security controls on enterprise networks. Candidates can describe the network security stack (firewall, proxy, remote access, IDS/IPS, access control, NTA, UEBA) and have worked from two to three years in networking with a one-year security focus.

Exam ID	HPE7-A02
Exam type	Proctored
Exam duration	1 hour 45 minutes
Exam length	70 questions
Passing score	67%
Delivery languages	English, Japanese, Latin American Spanish

Register for this Exam
You need an HPE Learner ID and a Pearson VUE login and password.

No reference material is allowed at the testing site. This exam may contain beta test items for experimental purposes.

During the exam, you can make comments about the exam items. We welcome these comments as part of our continuous improvement process.

Exam contents

This exam has 70 questions.

Advice to help you take this exam

Updates to the certification exam and course went live on October 15, 2024. See Release Notes
- Complete the training and review all course materials and documents before you take the exam.
- Complete the preassessment to determine your readiness for the professional-level course and exam. https://quiz.computerdata.com/ians/ians.html
- Exam items are based on expected knowledge acquired from job experience, an expected level of industry-standard knowledge, or other prerequisites (events, supplemental materials, etc.).
- Successful completion of the course or study materials alone does not ensure you will pass the exam.

Additional study materials
- HPE Aruba Networking Certified Network Security Professional, Second Edition Study Guide

Objectives

This exam validates that you can:

Percentage of Exam	Sections/Objectives

Percentage of Exam	Sections/Objectives
26%	**Protect and Defend** Define security terminology • Describe PKI dependencies • Mitigate threats by using CPDI to identify traffic flows and apply tags and CPPM to take actions based on tags • Explain the methods and benefits of profiling • Explain how Aruba solutions apply to different security vectors • Explain Zero Trust Security with Aruba solutions • Explain WIPS and WIDS, as well as describe the Aruba 9x00 Series • Describe log types and levels and use the CPPM ingress event engine to integrate with 3rd party logging solutions • Explain dynamic segmentation, including its benefits and use cases • Explain VPN deployment types and IPsec concepts such as protocols, algorithms, certificate-based authentication with IKE, and reauth intervals
6%	**Protect and Defend** Device hardening • Set up secure authentication and authorization of network infrastructure managers (with a focus on advanced topics such as TACACS+ authorization and multi-factor auth) • Secure L2 and L3 protocols, as well as other network protocols such as SFTP
12%	**Protect and Defend** Secure WLAN • Deploy AAA for WLANs with ClearPass Policy Manager (CPPM) • Define and apply advanced firewall policies (appRF, PEF, WIPS, WebCC, UTM) • Set up integration between the Aruba infrastructure and CPPM, allowing CPPM to take action in response to events • Configure rogue AP detection and mitigation
19%	**Protect and Defend** Secure wired AOS-CX • Deploy AAA for wired devices with CPPM • Configure 802.1x Authentication for AP • Deploy dynamic segmentation • Deploy certificate-based authentication for users and devices • Set up integration between the Aruba infrastructure and CPPM, allowing CPPM to take action in response to events
5%	**Protect and Defend** Secure the WAN • Understand that Aruba SD-Branch automates VPN deployment for the WAN • Design and deploy remote VPN with VIA
8%	**Protect and Defend** Endpoint classification • Deploy and apply endpoint classification to the device • Define endpoint classification methodology using active and passive methods • Define, deploy, and integrate ClearPass and CPDI
9%	**Analyze** Threat detection • Investigate Central alerts • Interpret packet captures • Recommend action based on the analysis of the Central alerts • Evaluate endpoint posture
6%	**Analyze** Troubleshooting • Deploy and analyze Network Analytic Engine (NAE) scripts for monitoring and correlation • Perform packet capture on Aruba infrastructure locally and using Central
8%	**Analyze** Endpoint classification • Analyze endpoint classification data to identify risk • Analyze endpoint classification data on CPDI

Percentage of Exam	Sections/Objectives
1%	**Investigate** Forensics • Explain CPDI capabilities for showing network conversations on supported Aruba devices

For more information

Contact our program

Information is as of November 2024, Revision 6