

Aruba Certified Network Security Expert Written Exam

Exam description

This exam tests the candidate's ability to design, deploy, integrate, and articulate a PKI solution (when to use, what to recommend), architect an enterprise-class network design that aligns with security policies, design role-based access control scheme using ClearPass/AOS/AOS-CX, architect a solution that integrates ecosystem partners (identity partners, MDM, firewall, endpoint security), architect an enterprise-wide endpoint classification policy, design, and deploy proactive remediation, and use ClearPass Device Insight.

Ideal candidate for this exam

The candidate has worked four to five years in networking with two-three years in security-focused fields.

The candidate is a network architect responsible for auditing and/or remediating network vulnerabilities. Successful candidates should have experience designing and troubleshooting enterprise-level network solutions. The candidate should articulate key technical concepts associated with network security, e.g., RBAC, APT, endpoint classification, DOS, DDOS, policy enforcement. The candidate can compare and recommend HPE Aruba Networking security solutions.

Exam contents

This exam has 60 questions. Here are types of questions to expect:

- Multiple choice (multiple responses), scenario based
- Multiple choice (single response), scenario based
- Multiple choice (multiple responses)
- Multiple choice (single response)
- Scenarios with multiple questions

Advice to help you take this exam

- Complete the training and review all course materials and documents before you take the exam.
- 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.**

Objectives

This exam validates that you have competence in each and every objective below.

Exam ID	HPE6-A84
Exam type	Proctored
Exam duration	2 hours
Exam length	60 questions
Passing score	66%
Delivery languages	English

Register for this Exam

First-time users: Learn how to access, schedule, and take an exam through the HPE credential management platform.

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.

Percentage of Exam	Sections/Objectives
25%	<p>Protect and Defend</p> <p>Task: Define security terminology</p> <ul style="list-style-type: none"> • Explain and implement forensic techniques • Articulate the HPE Aruba Networking Zero Trust Security Strategy • Integrate HPE Aruba Networking solutions with ecosystem partner solutions • Explain how HPE Aruba Networking solutions map to local compliance • Define PKI best practices and implement certificate-based authentication • Explain the role of device profiling and risk scoring in a company's security efforts • Describe threat hunting • Explain and implement role-based access control
25%	<p>Protect and Defend</p> <p>Task: Secure Unified Infrastructure</p> <ul style="list-style-type: none"> • Design a detection strategy for rogue wireless devices and other wireless threats utilizing HPE Aruba Networking WIPS features. • Implement HPE Aruba Networking Zero Trust Security for the unified infrastructure using ClearPass Policy Manager (CPPM) and other ClearPass solutions. • Design enterprise-wide firewall policies (appRF, PEF, WIPS, WCC) for clients in various wired and wireless architectures. • Architect complex ACLs per wired interface and VLAN • Design and implement network analytic engine solutions for anomaly detection, correlation, auditing, and alerting • Design and implement Dynamic Segmentation • Describe HPE Aruba Networking CloudAuth capabilities and explain how to migrate to an HPE Aruba Networking CloudAuth-based solution
8%	<p>Protect and Defend</p> <p>Task: Secure the WAN</p> <ul style="list-style-type: none"> • Design and deploy secure client-to-site access using HPE Aruba Networking Central and HPE Aruba Networking gateways • Design and deploy Gateway IDS/IPS
38%	<p>Analyze</p> <p>Task: Threat detection</p> <ul style="list-style-type: none"> • Analyze logs, alerts, and other features at an expert level to detect threats • Remediate the security risk • Tune alerts • Design a workflow for Network Analytic Engine (NAE) script development • Implement endpoint classification and device profiling with CPDI (including profiling capabilities within Central Network Operations) • Interpret and respond to endpoint classification data, as well as use it to tune policies
4%	<p>Investigate</p> <ul style="list-style-type: none"> • Perform a comprehensive analysis in a set timeframe

For more information

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