Aruba Certified Edge Associate Exam

Exam description

This is the Aruba Certified Edge Associate Exam. This exam will test your ability to pass three of five sections from Design Associate, Mobility Associate, Switching Associate, ClearPass Associate, and Security Associate. You will need to score 70% in each of the 3 sections in order to pass the entire exam. These exams have been specifically designed to support this passing score.

Exam ID	HPE6-A74
Exam type	Proctored
Exam duration	1 hour 30 minutes
Delivery languages	English

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.

Ideal candidate for this exam

The candidates for this exam will be associate-level candidates with knowledge in Design, Mobility, Switching, ClearPass and Security.

Exam contents

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

- Multiple choice (multiple responses)
- Multiple choice (single response)

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

Candidates will select three of five sections. Each of the three sections must be passed independently to pass the exam. Twenty items from each section will be delivered. You will need to score 70% in each of the selected sections in order to pass the entire exam. The passing score may differ from the new candidate exam. The questions are specifically selected to support a 70% passing score.

Percentage of Exam	Passing Score	Number of Questions	Sections/Objectives

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33%	70%	20	Design 15% Gather and analyze data, and document customer requirements • Given an outline of a customer's needs for a simple campus environment determine the information required to create a solution 25% Evaluate the requirements, and select the appropriate Aruba solution for the design • Given a scenario, evaluate the customer requirements for a simple campus environment identify gaps per a gap analysis, and select components based on the analysis results. • Given a scenario, translate the business needs of a simple campus environment into technical customer requirements. 23% Plan and design an Aruba solution per customer requirements • Given a scenario, select the appropriate products based on the customer's technical requirements for a simple campus environment • Given the customer requirements for a single-site campus environment design the high-level Aruba solution • Given a customer scenario, explain how a specific technology or solution would meet the customer's requirements 25% Produce a detailed design specification document. • Given a customer scenario for a simple campus environment, choose the appropriate components that should be included in the BOM. • Given the customer requirements for a simple site environment determine the component details and document the high-level design. • Given a customer scenario of a simple site environment, design and document the logical and physical network solutions. • Given the customer scenario and service level agreements, document the licensing and maintenance requirements. 12% Recommend the solution to the customer. • Given the customer's requirements, explain and justify the recommended solution.

Percentage of Exam	Passing Score	Number of Questions	Sections/Objectives
33%	70%	20	Mobility 30% Describe and differentiate WLAN fundamentals and Aruba Architectures • Define elements, describe the functionality, and differentiate between the 802.11 standards and amendments, RF bands, channels, and regulatory domains. • Identify licenses that are used for various features, describe licensing pools, and differentiate between boxed-based, controller-based, and centralized licensing. • Describe and differentiate between AP Modes (CAP, SA, AM, mesh point, mesh portal, IAP, RAP). 29% Identify and differentiate the functions, features, and capabilities of Aruba single-site on-premise enterprise solutions. • Identify and differentiate automatic RF management capabilities and features. • Identify and differentiate the basic firewall policies and roles, and relate the roles to the policies and how they are applied in the hierarchy. • Identify and differentiate wireless security authentication types, server types, and encryption types. • Differentiate the scalability limits in the Aruba controller models, and given a scenario with customer requirements determine which model is appropriate. 27% Configure, validate, and troubleshoot Aruba WLAN secure employee and guest solutions. • Select the appropriate components to configure a guest WLAN and validate the configuration. • Troubleshoot an employee and a guest WLAN. • Configure a guest WLAN and validate the configuration. 14% Manage and monitor Aruba solutions. • Use the Mobility Master dashboards to monitor and troubleshoot client connectivity. • Describe the functionality and uses of AirWave.

Percentage of Exam	Passing Score	Number of Questions	Sections/Objectives
33%	70%	20	Switching 40% Identify, describe, and apply foundational networking architectures and technologies. • Describe the basics of Layer 2 Ethernet to include broadcast domains and ARP messages. • Interpret an IP routing table and explain default routes, static routing, and dynamic routing such as OSPF. • Identify the roles of TFTP, SFTP, FTP, Telnet, SNMPv2, and SNMPv3 in the management of Aruba network devices, and apply the appropriate security for these features. • Describe Layer 2 redundancy technologies such as STP, RSTP, MSTP and VSF, and recognize the benefits of each. • Describe and apply link aggregation. • Identify, describe, and explain VLANs. • Describe, identify, and explain wireless technologies. 8% Identify, describe, and differentiate the functions and features of Aruba products and solutions. • Identify and explain how Aruba, a Hewlett Packard Enterprise company, delivers solutions that enable the digital workplace. • Identify basic features and management options for Aruba wired and wireless products. • Compare and contrast Aruba Networking solutions and features, and identify the appropriate product for an environment. 37% Install, configure, set up, and validate Aruba networking solutions. • Configure basic features on ArubaOS switches to include initial settings and management access. • Configure ArubaOS switches with Layer 2 technologies such as RSTP and MSPT, link aggregation, VLANs, LLDP, and device profiles. • Configure basic IP routing with static routes or OSPF on ArubaOS switches. • Manage the software and configuration files on ArubaOS switches, and manage ArubaOS switches and APs with Aruba AirWave. • Validate the installed solution with the use of debug technology, logging, and show and display commands. 5% Tune, optimize, and upgrade Aruba networking solutions. • Optimize Layer 2 and Layer 3 infrastructures through broadcast domain reduction, VLANs, and VSF. 10% Manage, monitor, administer, and operate Aruba networking solutions. • Perform network management in accordance with best practices. • Perform administrative tasks such as moves, adds, changes, deletions, and password resets for managed devices.

Percentage of Exam	Passing Score	Number of Questions	Sections/Objectives
33%	70%	20	ClearPass 33% Overview and Active Directory 36% Guest and Onboard 31% Endpoint Analysis and Posture
33%	70%	20	NETWORK SECURITY (70%) Protect and Defend • Describe common security threats (MiM, DDOS, spoofing, zero-day, etc.) and identify the difference between a threat and a vulnerability • Explain common security protocols and their use cases • Describe PKI components • Describe firewall (PEF), dynamic segmentation, RBAC, AppRF • Describe user roles and policy enforcement • Explain the purpose and methods of a packet capture • Explain social engineering and defense • Disable insecure protocols and follow best practices for implementing secure management protocols such as SSH, HTTPS, authenticated NTP, and CPsec • Describe best practices to protect network infrastructure devices with passwords, physical security, and out-of-band management • Use external authentication for network managers • Compare and contrast wireless LAN methodologies • Deploy basic WLAN security Deploy basic WLAN security • Describe and deploy basic user roles for wireless users • Compare and contrast wired LAN methodologies • Define and deploy basic user roles for wired users • Compare endpoint classifications methods • (24%) Analyze • View and acknowledge WIPS and WIDS, alarms • Explain attack stages and kill chain • Collect logs • Troubleshoot with access tracker • Collect and monitor historical network pattern data • Identify and evaluate discovered endpoints • Investigate (6%) Collect logs • Identify chain of custody • Initiate an investigation •

For more information

Contact our program

Information is as of May 2023, Revision 5