HPE aruba
networking

Aruba Certified Design Expert Practical Exam

Exam description

This practical exam tests your ability to design a secure campus wired, wireless, remote access and management solution for an enterprise mobility project using Aruba OS (AOS) 8 and Aruba Switches OS CX. Candidates create design solutions that include redundancy, authentication and integration with existing infrastructure. Candidates will complete an IRIS BOM, IRIS network diagram and a VRF diagram for RF planning. The candidate will also answer customer questions.

Ideal candidate for this exam

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Advice to help you take this exam

- USING CHROME OR FIREFOX IS REQUIRED.
- Complete the training and review all course materials and documents before you take the exam.
- Use HPE Press study guides and additional reference materials; study guides, practice tests, and HPE books.
- 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 can:

Exam ID	HPE4-A39
Exam type	Practical
Exam duration	8 hours
Passing score	67%
Delivery languages	English

Register for this Exam
Complete these steps before registering for the ACDX Practical Exam.

1. Review the **Aruba Practical Exam Instruction Guide** or information about the exam/lab environment.
2. During registration, you are responsible for completing the system test on the same computer you will use to take the exam.
3. Review and complete the **ACDX walkthrough**.
4. Review the **Practical Exam Rules** to ensure understanding of acceptable/unacceptable materials within the candidate's reach and behaviors that could result in termination of the exam.
5. It is expected that you passed the required ACDX written exam (HPE6-A80) before registering for the ACDX Performance-based test.
6. Review the complete HPE Partner Ready Certification and Learning **Candidate Agreement. You are fully responsible for adhering to all HPE testing policies.**
7. I understand and agree that the penalties for any form of misconduct on the exam will include, without limitation: My exam score may be invalidated. One or more of my Certification and Learning certifications may be revoked. I may be prohibited from achieving future certifications either temporarily or permanently. All appropriate actions, including the pursuit of legal remedies, will be taken.
8. In addition, I acknowledge and agree that in the event of misconduct on this exam, HPE may contact my employer, if applicable, who is receiving the benefit of the pursued certification in order to discuss the misconduct, the impact of losing the certification (if any), to investigate their test practices, etc.
9. The exam timer will be set for 8 hours and 30 minutes to account for the lunch break. During lunch and breaks, the timer will not be paused.

Passing the HPE6-A80 Aruba Certified Design Expert Written Exam and purchasing a practical exam voucher from Aruba Education Services are required before registering for the practical exam.

Percentage of Exam	Sections/Objectives
45%	**IRIS BoM** • Provide a detailed Bill of Materials (BOM) listing MM, controller models, Aruba switches, line cards, transceivers, APs, AMs, SMs, Mesh APs, license types and counts.
30%	**Written Essays** • Answer typical customer questions on Aruba solutions including enterprise Campus Design, Remote Access, VIA and RAP solutions, Aruba Instant and Cloud based solutions, AirWave and Aruba Central management solutions and Meridian features. • Provide a technical explanation of AP to Controller data-plane and control plane communications, Controller Discovery Mechanisms and priorities, design of Aruba mobility Solutions (Layer 2 and Layer 3 mobility). Switching features such as VSF and stacking. • Provide detailed and comprehensive explanation of secure and guest Aruba WLAN technologies such as AppRF, WIPS, RF Protect, and ClearPass. Additionally explain the underlying dependencies, advantages and disadvantages of each solution. • Explain QOS and voice prioritization technologies to optimize the network for mobile and BYOD devices. Indicate the equipment per MDF/IDF closets. Specify the necessary servers such as AirWave and ClearPass, Meridian with licensing specified for a given scenario.
15%	**AirWave VisualRF** • Use the AirWave Visual RF Plan tool to create an RF design to meet the customer requirements and Aruba best practices. • Move APs and AMs to the appropriate high density WLAN locations on a VisualRF floor plan. • Create a Visual RF plan and export the RF as a customer deliverable on a given customer floor plan.
10%	**IRIS Network Diagram** • Determine appropriate placement of Aruba equipment in IRIS topology diagram. Place the proper equipment into the MDF/IDF groups for access, distribution, core, or DMZ of the network diagram. • Make the connections between devices, switches to switch, switch to AP, MC, MM and servers

For more information

Contact our program