Aruba Certified Design Associate Exam

Exam description

This exam validates you have a fundamental knowledge of an Aruba network design and know the Aruba product lines to help you design the network with the assistance of a senior designer. Candidate should know how to read a customer request and extract the information needed for a wired or wireless network. Candidate should know how to use VRF and IRIS.

Ideal candidate for this exam

Candidates are IT Associates with minimal Aruba Networking knowledge. It is suggested all candidates take the course for this exam.

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)

Exam ID	HPE6-A66
Exam type	Proctored
Exam duration	1 hour 30 minutes
Exam length	60 questions
Passing score	67%
Delivery languages	Latin American Spanish, Japanese, 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.

Advice to help you take this exam

- 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.

Additional study materials
- HPE6-A66 Practice Test
- Aruba Certified Design Associate Study Guide

Objectives

This exam validates that you can:

Percentage of Exam	Sections/Objectives
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.

Sample questions

Sample questions are provided only as examples of question style, format and complexity/difficulty. They do not represent all question types and do not reflect all topic areas. These sample questions do not represent a practice test.

1. NewRocket requires a network connection between the main corporate building and a very small building on a campus. This connectivity needs to provide at least 700 Mbps throughput using a wireless solution. An AP will be placed inside each building's lobby near the entrance glass doorway that interconnects the two buildings. The distance between these two doors is approximately 30 feet (10 meters). The connection to the closest wiring closet in each respective building is approximately 280 feet (86 meters) for each AP. The customer needs a solution that will:
   · Provide meshing on a dedicated 5 Ghz radio to interconnect the two buildings with an appropriate integrated antennas
   · Provide a dedicated 5 Ghz radio for lobby connectivity
   Which solution would best meet NewRocket's requirements?

   a. The Aruba AP 387 with Cat 7 cabling

   b. Aruba AP 374 with MMF cabling

   c. Aruba AP 500 with MMF cabling

   d. Aruba AP 535 with Cat 7 cabling

2. A network architect is analyzing the current wireless coverage in a new design. Standing 10 feet (approximately 3 meters) away from the AP, the architect tests the wireless signal from the AP. The architect then moves 20 feet (approximately 6 meters) away from the AP and repeats the test. Given that the architect detects no external interference with the signal, by how much would you expect the signal to degrade between the two tests?

   a. By a factor of 1

   b. By a factor of 2

   c. By a factor of 4

   d. By a factor of 8

3. A wiring closet with a POE+ switch is 300 feet (100 meters) away from an AP on a building floor. The AP's smart-rate port is connected to a smart-rate port on the switch, which is also capable of 10 Gbps. The cable type is Cat6a STP. What is the maximum speed that the customer can expect from the connected AP?

   a. 1 Gbps

   b. 2.5 Gbps

    c. 5 Gbps

    d. 10 Gbps

4. How would a network administrator view the price list of the equipment in one wiring closet?
    a. Create a Design Group in the site; set the filter in the BOM to the Design Group
    b. Create a Workspace in the site; set filter in the BOM to the Workspace
    c. Create a Wiring Closet in the site; set the filter in the Design Group to Wiring Closet
    d. Create a Design Group in the Site; set the filter in the Layers to Design Group

Answers

This section provides answers to and references for the sample questions.

1. NewRocket requires a network connection between the main corporate building and a very small building on a campus. This connectivity needs to provide at least 700 Mbps throughput using a wireless solution. An AP will be placed inside each building's lobby near the entrance glass doorway that interconnects the two buildings. The distance between these two doors is approximately 30 feet (10 meters). The connection to the closest wiring closet in each respective building is approximately 280 feet (86 meters) for each AP. The customer needs a solution that will:
   · Provide meshing on a dedicated 5 Ghz radio to interconnect the two buildings with an appropriate integrated antennas
   · Provide a dedicated 5 Ghz radio for lobby connectivity

Which solution would best meet NewRocket's requirements?

    a. The Aruba AP 387 with Cat 7 cabling

    b. Aruba AP 374 with MMF cabling

    c. Aruba AP 500 with MMF cabling

    d. Aruba AP 535 with Cat 7 cabling

References

Module 4, Slide 4-11
Module 7, Slide 7-15
Module 8, Slide 8-6

2. A network architect is analyzing the current wireless coverage in a new design. Standing 10 feet (approximately 3 meters) away from the AP, the architect tests the wireless signal from the AP. The architect then moves 20 feet (approximately 6 meters) away from the AP and repeats the test. Given that the architect detects no external interference with the signal, by how much would you expect the signal to degrade between the two tests?

    a. By a factor of 1

    b. By a factor of 2

    c. By a factor of 4

    d. By a factor of 8

References

Module 2, Slide 2-43

3. A wiring closet with a POE+ switch is 300 feet (100 meters) away from an AP on a building floor. The AP's smart-rate port is connected to a smart-rate port on the switch, which is also capable of 10 Gbps. The cable type is Cat6a STP. What is the maximum speed that the customer can expect from the connected AP?

    a. 1 Gbps

    b. 2.5 Gbps

    c. 5 Gbps

    d. 10 Gbps

References

Module 4, Slide 4-12

4. How would a network administrator view the price list of the equipment in one wiring closet?

a. Create a Design Group in the site; set the filter in the BOM to the Design Group

b. Create a Workspace in the site; set filter in the BOM to the Workspace

c. Create a Wiring Closet in the site; set the filter in the Design Group to Wiring Closet

d. Create a Design Group in the Site; set the filter in the Layers to Design Group

References
Module 5, Slide 5-30, 5-13, 5-14

For more information
Contact our program