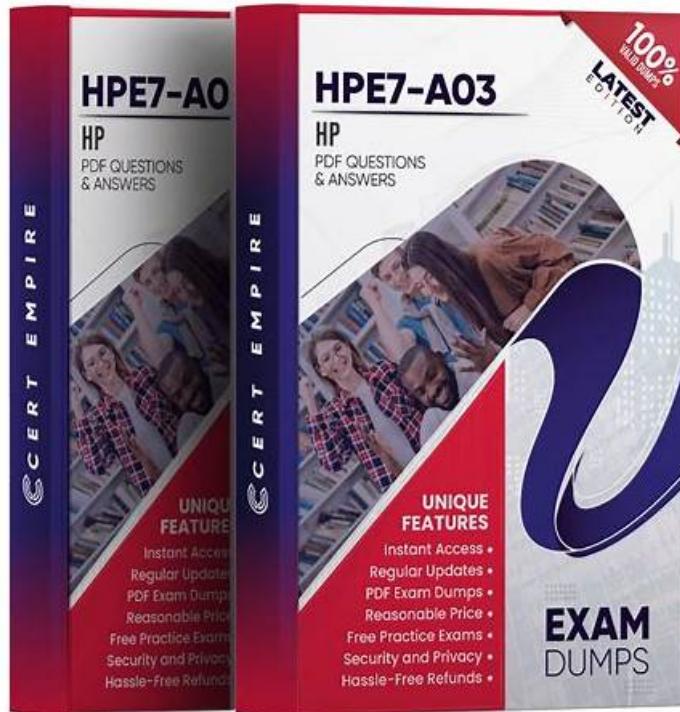


# HPE7-A03 Trustworthy Pdf, HPE7-A03 Latest Test Dumps



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## HP HPE7-A03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Architect the Solution: It measures your knowledge about identifying the solution options, designing high-level topologies, selecting the correct products, and determining the suitable overlay and underlay design. Additionally, the topic discusses how to verify that the design meets the original requirements.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Propose the Solution: The focal point of this topic is creating the design documentation and the final design. Moreover, the topic also focuses on presenting the solution.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Analyze Requirements: It focuses on determining possible high-level solutions. The topic also discusses mapping the needs into technical solutions and evaluating the proposed solution against project objectives and dependencies. Moreover, it also focuses on documenting assumptions.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.</li></ul>

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## HP Aruba Certified Campus Access Architect Exam Sample Questions (Q25-Q30):

### NEW QUESTION # 25

A global furniture retail company called 'No-Stair Inc.' requests you design their new WLAN infrastructure for a global footprint. Each location of 'No-Stair Inc.' has a similar layout: three small manager offices, a warehouse, and a 'retail' area. The 'retail' area and the warehouse together amount to 95% of the location. The IT department of the company is minimally engaged in their LAN refresh so the CTO of the company has shared the information below. Current WLAN Infrastructure is based on the 802.11n "WIFI4Less" access-points series (both model

2013-INT (2.4 only Internal antenna) and model 2019-EXT (dual-band external antenna only)). These AP models are standalone without any centralized management. Last year 'No-Stair Inc.' ran a project called 'secure'. It's ensuring that all needed network security was implemented to be fully compliant with their security standards. During this project, they also upgraded the AAA infrastructure to handle the increased AAA requests. No additional Wi-Fi or security requirements are listed for this WLAN refresh, which means that

'No-Stair Inc.' will continue to use bridged SSIDs with local breakout into different VLANs.

The CTO of 'No-Stair Inc.' understands the need for you to ask additional questions to deliver the design. The questions may be sent in written form and will be answered within two weeks.

What additional question needs to be answered in order to collect needed information for the WLAN design?

- A. What type or fiber connection is used between the core and access layer switches?
- B. Does the existing wired network support enough drops for an upgraded Wi-Fi Network?
- C. Is there enough cooling in the MOF?
- D. Who is the campus switch vendor?

### Answer: B

#### Explanation:

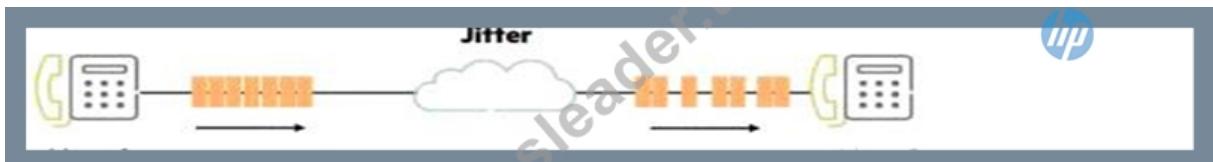
When upgrading a WLAN infrastructure, it's important to ensure that the existing wired network can support the new wireless access points (APs) in terms of connectivity and power (if using Power over Ethernet, PoE).

For 'No-Stair Inc.', which is planning a WLAN refresh without specific changes to the Wi-Fi or security requirements but potentially with new AP models and configurations, verifying the capacity of the wired network is crucial. The question about whether the existing wired network has enough drops (Ethernet connections) for the upgraded Wi-Fi network addresses this concern. It's essential to ensure that there are sufficient Ethernet ports available in the right locations to connect the new APs, and that these ports can provide the necessary power and data rates required by modern APs. This information will help in planning the deployment of the new APs, avoiding potential bottlenecks and ensuring that the upgraded WLAN can deliver the desired performance and coverage.

### NEW QUESTION # 26

The clients existing network is experiencing trouble with voice occasionally dropping out on phone calls between office locations, it is determined that no packet loss is occurring and QoS is likely the cause. With what phenomenon is the client currently experiencing issues?

- A.



- B.





• C.

**Answer: A**

Explanation:

The client is experiencing issues with Jitter, as depicted in Option B. Jitter refers to the variation in time between packets arriving, caused by network congestion, timing drift, or route changes. In voice communications, jitter can manifest as the occasional dropping out of voice on phone calls because the variable delay can affect the steady stream of voice packets needed for a clear conversation. Even when there is no packet loss, high levels of jitter can significantly impact the quality of Voice over IP (VoIP) calls. Quality of Service (QoS) settings are essential in managing jitter, as they can prioritize voice traffic over other types of data, ensuring that voice packets are delivered consistently and in the correct order to minimize delays and prevent call quality degradation. Aruba Campus Access solutions would typically include QoS features to manage and mitigate jitter on the network.

**NEW QUESTION # 27**

What should be Included in an Executive Summary? (Place the correct Items into the let at the right Order is no: Important Not all cottons win be used)

POSSIBLE INCLUSIONS	CORRECT INCLUSIONS
brief summary	
contact information	
high-level design	
job roles	
purpose of the document	
recommended cabling	
recommendations	
scope	
target audience	

HP logo is displayed in the center.

**Answer:**

Explanation:

POSSIBLE INCLUSIONS	CORRECT INCLUSIONS
brief summary	brief summary
contact information	contact information
high-level design	high-level design
job roles	
purpose of the document	purpose of the document
recommended cabling	
recommendations	recommendations
scope	scope
target audience	target audience

HP logo is displayed in the center.

Explanation:

For an Executive Summary, typically the following items should be included:

- \* Brief Summary
- \* Contact Information
- \* High-Level Design
- \* Purpose of the Document
- \* Recommendations
- \* Scope
- \* Target Audience

**NEW QUESTION # 28**

A global cruise line company needs to refresh its current fleet. They will refresh the "insides" of the ship to be cost-effective and increase their sustainability. They will replace the complete WLAN/LAN hardware of the ship. In this refresh, the company will not refresh its current security requirements. The CIO also wants to limit the number of unused ports in the switches. Future expansion will always mean a refresh of hardware.

They start with the smallest ship with a maximum of 800 guests.

Each ship has a LAN infrastructure consisting of two core switches, up to 10 redundant distribution switches, and up to 500 access

switches (400 cabins, 100 technical rooms). The core switches are located in the MDF of the ship and the distribution switches are located in the IDFs of the ship. Each cabin and technical room gets one single access switch.

The cabling structure of the ship will not be refreshed. Each IDF is connected to the MDF by SMF, of which two pairs are available for the interconnect between the core and distribution. The length of SM fiber between MDF and IDF is less than 300 meters (930 ft) and the type used is OS1. Each cabin is connected by a single OM2 pair to the IDF, the maximum length is 60 meters (200 ft). Each technical room is connected by a single OM2 pair to the IDF, with lengths between 100 and 150 meters (320 and 500 ft). For each cabin/technical room the customer is looking to replace their current fan-less 2530/2540 without changing the requirements, except they need to upgrade the uplink to distribution switch to 10 GbE to handle the increased network traffic, and the technical rooms need redundant power.

The WLAN infrastructure will be 1:1 refreshed without new cabling or new AP locations. Their WLAN infrastructure is based on the 200/300 series indoor and outdoor APs running InstantOS (less than 300 APs).

The customer has no change in WLAN requirements.

The cruise line company will replace its current Internet connection before the LAN/WLAN refresh. The new Internet connection will provide a 99.8% uptime, which is needed to ensure the paid guest Wi-Fi is always operational. With this new internet connection, the CIO of the cruise line wants to base the design on the ESP architecture from Aruba because Internet connection is guaranteed.

Based on best practices, what should you recommend as the most cost-effective switch model for the cabins?

- A. HPE Aruba Networking 6100 12G Class4 PoE 2SFP+
- B. HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+
- C. HPE Aruba Networking 6100 24G Class4 PoE 4SFP+
- D. HPE Aruba Networking 6000 12G Class4 PoE 2G/2SFP

#### Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

\* Key Cabin Requirements:

- \* Each cabin requires a single small form-factor access switch.
- \* Must support 10 GbE uplink toward the distribution switch.
- \* Must provide PoE to power in-room devices or APs.
- \* Must be cost-effective - the CIO does not want wasted ports.

\* Aruba CX 6100 Series Fit:

\* The Aruba CX 6100 series is designed for cost-sensitive edge deployments where simplicity and PoE are required.

\* The 12-port variant (6100 12G Class4 PoE 2SFP+) provides:

- \* Exactly the right number of access ports for cabin needs.

\* 10 GbE uplinks through its SFP+ ports.

\* Class 4 PoE support for powering access points or IoT devices.

\* Fanless design options, important for quiet in-room installations.

\* This ensures no wasted ports, aligning with the CIO's requirement to minimize unused capacity.

\* Why not the other options?

\* A (6200F 12G PoE 2SFP+): The 6200F is higher cost and aimed at larger campus edge deployments with richer feature sets, making it less cost-effective for single-cabin use.

\* B (6100 24G PoE 4SFP+): Provides 24 access ports, which would be overprovisioned (wasted ports) in cabins where only 1-2 devices need connectivity.

\* D (6000 12G PoE 2SFP): The 6000 series is more limited in features, and does not support 10 GbE uplinks, which are required by the CIO for increased traffic handling.

\* Aruba Design Guide Reference:

\* Aruba ESP Campus Access Design recommends CX 6100 switches for cost-optimized edge /cabin scenarios.

\* 10 GbE uplink requirement and PoE needs align directly with the CX 6100 12-port model with 2x SFP+ uplinks.

\* This model provides the most cost-effective, right-sized, and standards-compliant option for cabin switches.

Final Justification:

The correct and most cost-effective model for the cabins is the Aruba CX 6100 12G Class4 PoE 2SFP+, which provides PoE, supports 10 GbE uplinks, avoids wasted ports, and matches Aruba best practices for cabin access switches.

#### NEW QUESTION # 29

A large multinational financial institution has contracted you to design a new full-stack wired and wireless network for their new 6-story regional office building. The bottom two floors of this facility will be retail space for a large banking branch. The upper floors

will be carpeted office space for corporate users, each floor being approximately 100,000 sq ft (9290 sqm). Data centers are all off site and will be out of scope for this project. The customer is underserved by its existing L2-based network infrastructure and would like to take advantage of modern best practices in the new design. The network should be fully resilient and fault-tolerant, with dynamic segmentation at the edge.

The retail space will include public guest Wi-Fi access. Retail associates will have corporate tablets for customer service, and there will be a mix of wired and wireless devices throughout the retail floors. The corporate users will primarily use wireless for connectivity, but several wired clients, printers, and hard VoIP phones will be in use.

The customer is also planning on renovating the corporate office space in order to take advantage of "smart office" technology. These improvements will drive blue-dot wayfinding, presence analytics, and other location-based services. The client decided that they would like to manage two wiring closets as a single stack with a total of 10 switches and a minimum transport speed of 25Gbps over OM4 MM fiber. They would also like to keep the stacking cabling cost to a minimum.

Which switch series would most economically accomplish these requirements?

- A. Aruba 6400 Switch Series
- B. Aruba 6100 Switch Series
- **C. Aruba 6300F Switch Series**
- D. Aruba 6200F Switch Series

**Answer: C**

Explanation:

The Aruba 6300F Switch Series is designed to meet the needs of modern, full-stack wired and wireless networks with a focus on cost-effectiveness, performance, and scalability. This series supports high-speed connectivity options, including 25Gbps over OM4 MM fiber, making it suitable for the client's requirement to manage two wiring closets as a single stack with a total of 10 switches. The 6300F series also offers the flexibility of modular uplinks and stacking capabilities, ensuring that the client's needs for minimum transport speed and economic efficiency are met. Additionally, the Aruba 6300F series is known for its energy efficiency and lower operational costs, further contributing to its economic value.

## NEW QUESTION # 30

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