#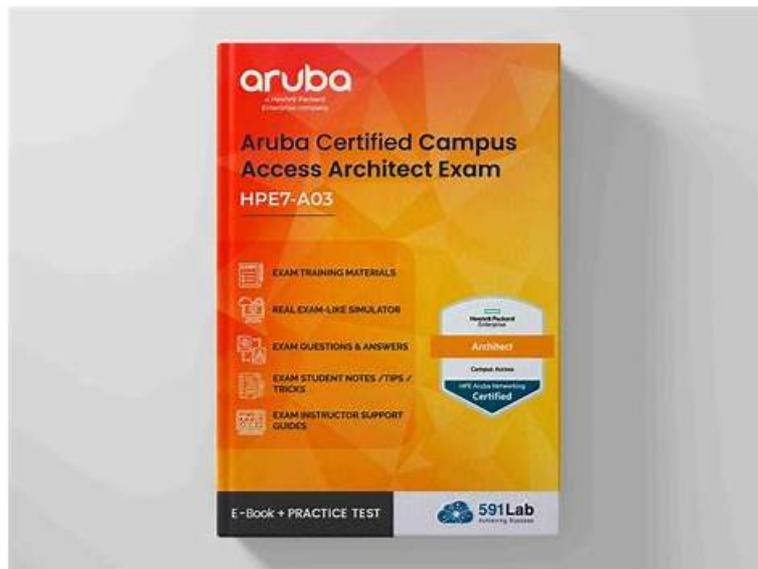 Latest Upload Reliable HPE7-A03 Exam Pattern - HP Aruba Certified Campus Access Architect Exam Exam Questions And Answers

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HP HPE7-A03 Exam Syllabus Topics:

Topic	Details
Topic 1	• Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.
Topic 2	• 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.

Topic 3	• 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.
Topic 4	• 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.

HP Aruba Certified Campus Access Architect Exam Sample Questions (Q71-Q76):

NEW QUESTION # 71
Which platform can be used to demo your solution to a customer? (Select three.)

- A. your own lab
- B. Aruba Solution Exchange
- C. Aruba CX Switch Simulator
- D. Aruba Innovation Zone
- E. Aruba Demo Experience Platform
- F. Aruba Support Portal

Answer: C,D,E

Explanation:
To demonstrate a solution to a customer, three platforms that can be effectively used are the Aruba CX Switch Simulator (Option B), Aruba Innovation Zone (Option C), and Aruba Demo Experience Platform (Option F). The Aruba CX Switch Simulator provides a virtual environment where customers can interact with the Aruba OS-CX interface, allowing them to explore features and configurations without the need for physical hardware. The Aruba Innovation Zone offers a space for experiencing the latest Aruba technologies and solutions in action, showcasing their capabilities in real-world scenarios. The Aruba Demo Experience Platform is designed to give customers a comprehensive look at Aruba's solutions, enabling interactive demos and simulations that highlight the benefits and functionalities of the products. These platforms provide valuable resources for customers to understand and evaluate Aruba solutions in a controlled and informative environment.

NEW QUESTION # 72
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 6000 12G Class4 PoE 2G/2SFP
- B. HPE Aruba Networking 6100 24G Class4 PoE 4SFP+
- C. HPE Aruba Networking 6100 12G Class4 PoE 2SFP+
- D. HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+

Answer: C

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 # 73

it has been identified that the client's existing network is having to retransmit packets due to possible hardware or configuration issues. A review of hardware configuration and transport reliability will need to be assessed prior to completing the new design. What should this phenomenon be classified as?

- A. ▢
- B. ▢
- C. ▢

Answer: B

Explanation:
The phenomenon where packets have to be retransmitted due to possible hardware or configuration issues is classified as "Loss," depicted in Option B. Packet loss occurs when one or more packets of data traveling across a network fail to reach their destination, which can be caused by errors in data transmission, typically resulting from network congestion, hardware failure, or configuration errors. When packet loss occurs, protocols like TCP ensure that the data is retransmitted so that the integrity of the communication is maintained. In a network design, ensuring the reliability of hardware and proper configuration is critical to minimize packet loss.

NEW QUESTION # 74

What is true about 1000 Base-LX single mode transceivers?

- A. 1000Base-LX needs a Mode Conditioning Patch Cable to be operated with OM1 cables up to 550 m.
- B. 1000Base-LX needs a Mode Conditioning Patch Cable to be operated with OS1 cables up to 2 Km.
- C. 1000Base-LX doesn't need a Mode Conditioning Patch Cable to be operated with OM2 cables up to 550 m.
- D. 1000Base-LX needs a Mode Conditioning Patch Cable to be operated with OM5 cables up to 550 m.

Answer: A

Explanation:
The 1000Base-LX standard is designed primarily for single-mode fiber (SMF) but can also operate over multi- mode fiber (MMF). However, when using a 1000Base-LX (long wavelength) transceiver with older multi- mode fiber like OM1 ($62.5/125$ μm), a specific technical issue called Differential Mode Delay (DMD) occurs.
* Mode Conditioning Patch (MCP) Cable: To mitigate DMD, an MCP cable must be used when connecting a 1000Base-LX transceiver to OM1 or OM2 multi-mode fiber for distances up to 550 meters. This cable offsets the laser launch into the fiber core to ensure the signal propagates correctly.
* OM1 Specifics: OM1 fiber has a smaller bandwidth-distance product compared to newer standards.
Without the MCP, the signal distortion makes the 550m distance unattainable or unreliable.
* Comparison: * OS1 (Option D): This is single-mode fiber. 1000Base-LX transceivers are native to single-mode and do not require mode conditioning cables for OS1/OS2.
* OM5 (Option A): While technically possible, MCPs are typically associated with the legacy
62.5 μm (OM1) and 50 μm (OM2) fiber types.
* OM2 (Option C): Standard practice dictates that OM2 also requires an MCP for 1000Base-LX at
550m to avoid DMD, making "doesn't need" incorrect.

NEW QUESTION # 75
identify the stakeholders when gathering information for the network design and new IDF/MDF design.
(Select two.)

- A. Facility manager
- B. Help desk manager
- C. Network Operations manager
- D. Chief Financial Officer

Answer: A,C

NEW QUESTION # 76
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