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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	• 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 3	• 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 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.

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HP Aruba Certified Campus Access Architect Exam Sample Questions (Q46-Q51):

NEW QUESTION # 46
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 willbe 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 has decided that more critical switch stacks supporting Contact Center resources will need to support greater than 600W of CL4 PoE and have redundant power supplies These stacks will have approximately six members.
What would be the most economical choice Aruba switch series to meet these requirements?

- A. Aruba CX6200M
- B. Aruba CX 6100
- C. Aruba CX6300F
- D. Aruba CX 6400

Answer: C

Explanation:
The Aruba CX 6300F Switch Series is well-suited for environments requiring high PoE power and redundancy in power supplies, especially for critical applications like supporting contact center resources. This series offers robust PoE capabilities, often exceeding 600W of Class 4 PoE power, making it ideal for powering multiple high-powered devices. Additionally, the Aruba CX 6300F supports stack configurations and redundant power supplies, ensuring high availability and reliability for critical network infrastructures. Its economical pricing, combined with high performance and reliability, makes it the most cost-effective choice for the client's requirements.

NEW QUESTION # 47
XYZ Regional Hospital is an integrated healthcare system of hospitals, neighborhood health centers, and small doctor offices. XYZ Regional Hospital has recently merged with 4x neighborhood health centers and
125 doctor branch offices. The wireless, wired access, and AAA

solutions are outdated and need to be replaced

XYZ Regional Hospital is looking to future-proof and improve efficiency across all sites by enhancing wired and wireless access and migrating to a centralized and unified wired/wireless and policy management that can provide uninterrupted availability of all systems. Locations:

- XYZ Regional Hospital is located in New York City
- Dila Health Center is located in City A
- Mount Health Center is located in City B
- Rock Health Center is located in City C
- Branch clinics are located at different locations across the United States Requirements:
- Provide, via management software, one single pane of glass to manage wired and wireless IANs. and VPNs across campus, branch, and remote via web/cloud architecture providing near real-time Insight.
troubleshooting tools, and Service Level performance reporting.
- Seamless integration across wired, wireless. WAN. SD-Branch. loT
- Provide secure wireless access to all the employees of the Regional Hospital and partners, as well as provide wireless Internet access to medical citizens when they visit our facilities.
- All-access points must support the following features and specifications: 802.11ax (Wi-Fi 6E Certified)
- Security options including WP2/WPA3. 802.1X with Radius secure authentication
- Identify and authenticate every wireless and wired device
- End-to-end role-based security
- Seamless mobility across the hospital for medical learns, patients, and visitors
- Cuts Wi-Fi deployment times from days to hours and enables Zero-Touch deployments across the site
- Establishes a resilient, future-ready network infrastructure with the intelligence, scalability, and intuitive toolsets to meet emerging needs
- Fully redundant branch solution with dynamic path selection to the hospital The hospital CIO is interested in reviewing the phase 1 approach and framework that will be used to achieve the goals of the network refresh project.

What is the phase 1 task?

- A. The team will define and document a path for the current to future support model, including any staffing, skills, and professional development that is recommended.
- B. Review the potential design options and further scope deployment efforts, phased implementation approaches, enablement options, and operational expertise requirements.
- C. Kickoff the project to identify the team members involved, review the deliverables, expectations, timeframes, and begin the discovery/data collection.
- D. Meet with ITS NetworkTelecom and support staff following the knowledge lianstei sessions to educate the 11 s learn on campus, data center, and network security options

Answer: C

NEW QUESTION # 48

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 (980 ft), 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.

The week after the presentation of your design to the CIO of the cruise line company, the CIO calls you to discuss increasing the security on the wired network infrastructure. Since one of their competitors had one of their cruise ships cyber hacked, the CSO of the cruise line has mandated increased security on the wired network. They have heard about dynamic segmentation and central and decentral overlay networks. For their POS systems, they need a low-latency connection between the POS system and the POS server in the onboard data center.

What solution fits the customer's requirements?

- A. Standardize on 6300 switches for the edge, 8325 for the RR, 8360 for the stub/border, and utilize Aruba Central NetConductor.
- B. Standardize on 6300 switches for the edge, 8320 for the RR, 8360 for the stub/border, and utilize Aruba Central NetConductor.
- C. Standardize on 6300 switches for the edge, 8325 for the RR, 8360 for the stub/border, 9240 for the WLAN Gateway, and utilize Aruba Central NetConductor.
- D. Standardize on 6200 switches for the edge, 8325 for the RR, 8360 for the stub/border, and utilize Aruba Central NetConductor.
- E. Standardize on 6300 switches for the edge, 8320 for the RR, 8360 for the stub/border, 9240 for the WLAN Gateway, and utilize Aruba Central NetConductor.

Answer: C

Explanation:
Comprehensive and Detailed Explanation From Exact Extract:
* Requirements Recap:
* Dynamic segmentation # Needed for role-based access across wired/wireless.
* Overlay fabric (EVPN-VXLAN) # For scalable and secure segmentation.
* Low-latency POS connectivity # Needs local enforcement and efficient routing inside the fabric.
* Secure tunneling for WLAN traffic # Requires WLAN Gateway functionality.
* Limit unused ports # Use right-sized edge switches.
* Role of Devices:
* Edge: Aruba CX 6300
* Best practice for access edge with 10 Gb uplinks, PoE, and ESP fabric compatibility.
* Route Reflector (RR): Aruba CX 8325
* Optimized for control-plane scaling in EVPN fabrics, better fit than the 8320 for RR role.
* Stub/Border: Aruba CX 8360
* Acts as aggregation and border node in ESP campus fabric.
* WLAN Gateway: Aruba 9240
* Terminates wireless tunnels, enforces role-based policies, integrates with ClearPass and NetConductor.
* Aruba Central NetConductor
* Provides cloud-based orchestration, dynamic segmentation, and policy automation across fabric.
* Why Option A is Correct:
* Includes 6300 at edge, 8325 for RR, 8360 for stub/border, 9240 for WLAN Gateway, and NetConductor.
* Fully supports dynamic segmentation, fabric overlay, and WLAN tunneling while meeting latency and security requirements.
* Why Not the Others:
* B (8320 as RR): 8320 is less capable for modern RR roles compared to 8325.
* C (6200 edge): 6200 cannot provide 10 Gb uplinks required by cabins/technical rooms.
* D (8320 RR, no WLAN gateway): Missing WLAN gateway, so cannot support tunneled WLAN traffic.
* E (no WLAN gateway): Also lacks WLAN gateway; requirement not met.

NEW QUESTION # 49

Which access switch oversubscription option would be best suited for CAD desktops?

- A. 1:1
- B. 6:1
- C. 24:1
- D. 48:1

Answer: A

NEW QUESTION # 50

Which access switch oversubscription option would be best suited for CAD desktops?

- **A. 1:1**
- B. 6:1
- C. 24:1
- D. 48:1

Answer: A

Explanation:
CAD desktops generate sustained high-bandwidth traffic, often requiring full-rate access to the network. A 1:1 oversubscription ratio ensures no uplink bottleneck and provides the consistent throughput needed for graphics-intensive workloads.

NEW QUESTION # 51

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