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HP HPE7-A03 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">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 2	<ul style="list-style-type: none">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.

Topic 3	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.

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HP Aruba Certified Campus Access Architect Exam Sample Questions (Q63-Q68):

NEW QUESTION # 63

A German 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 (Ship One) with a maximum of 350 guests.

Ship One has a LAN infrastructure consisting of two core switches, eight redundant distribution switches, and two hundred access switches (175 cabins and 25 technical rooms).

The Core switches are located in the MDF of the ship, the distribution switches are located in the IDFs (eight in total) of the ship. Each cabin and technical room gets one single access switch.

The structured cabling of the ship will not be refreshed. Each IDF is connected to the MDF by SMF pairs. Each cabin is connected by a single MMF pair to the IDF. Each technical room is connected by a single MMF pair to the IDF.

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 10GbE to handle the increased network traffic.

The WLAN infrastructure will be 1:1 refreshed without new cabling or new AP locations. Their WLAN infrastructure is based on the 200 series indoor and outdoor APs running InstantOS (total of 195 APs), the customer has no change in WLAN requirements. Your team member (out on parental leave) has started with the proposed solution listed below.

Core switch: one VSX stack of two 8325-48Y8C switches

Distribution switch: one VSF stack of two 6300F 24-port SFP+ and 4-port SFP56 switches per IDF Cabin switch: one 6200F 12G Class4 PoE 2G/2SFP+ per cabin Technical room switch: one 6200F 12G Class4 PoE 2G/2SFP+ per technical room Indoor Cabin APs: AP-505H (88 total) Indoor standard APs: AP-535 (82 total) Outdoor APs: AP-565 (25 total) What possible issue with the core switch selection do you see in regards to the customer's requirements?

- A. The core switch will not support the 10GbE downlinks to the cabins and technical rooms.
- B. The core switch will not have enough ports for VSX links.
- C. The core switch will not support the 25GbE downlinks to the distribution switches.
- D. The core switch will have a lot of unused ports.**

Answer: D

NEW QUESTION # 64

What is the primary purpose of conducting stakeholder interviews during the discovery phase of a network design project?

- A. To determine the budget constraints
- B. To select appropriate network hardware
- C. To understand the organizational goals and requirements**

- D. To configure network devices

Answer: C

NEW QUESTION # 65

'Don't Buy at Us' is a US-based retail company that is expanding into Europe. They are expanding into EMEA with a regional headquarters called HQ2 inside The Netherlands. Their US- based headquarters HQ1 was refreshed last year based on the HPE Aruba Networking ESP architecture. You have created the design for HQ2 based on the same design as HQ1, a two-tier architecture. The high level is shown below.

□ Switch BOM for this project based on Two Tier:

Collapsed Core: 2 x Aruba 8360-16Y2C in VSX (ISL 2x100GbE DAC)

Access Stack: 10 x Stack of 6200F 48G Class4 PoE 4SFP+ 740W (each stack has 4 members, VSF with 10GbE VSF links) (2 x 10GbE uplink per stack) During the presentation of your design to the CTO of "Don't Buy at Us" you were informed about the changes they want you to incorporate into the updated design:

1. HQ2 will include the EMEA regional distribution center (EMEA-DISTR) next to the HQ2.
2. Only two pairs of OS1 are available between HQ2 and EMEA-DISTR.
3. The uplinks from all access stacks need to increase to 2 x 25GbE, the fiber in HQ2 and EMEA- DISTRI is certified for 25GbE.
4. EMEA-DISTR needs at least 7 x stack of Aruba 48 ports switches (each stack has 4 members).

Which answer based on best practice is presenting the correct Switch BOM for the updated design?

- A. □
- B. □
- C. □
- D. □

Answer: A

Explanation:

Based on the requirements provided by "Don't Buy at Us," the updated design needs to accommodate 25GbE uplinks and a minimum of 7 stacks of 48-port Aruba switches for the EMEA-DISTR. Option C is the most suitable based on best practices, as it proposes:

A core configuration consisting of two Aruba 8360-12C in VSX for the collapsed core with ISL of 2x100GbE DAC, which will provide robust core networking with high-speed interconnects, suitable for the demands of a regional distribution center and headquarters. Aggregation with two stacks, each with 2 Aruba 8360-12C in VSX (ISL 2x100GbE DAC), accommodating the uplink capacity requirements.

Access stacks with a total of 17 stacks of Aruba 6300F 48-port 1GbE Class 4 PoE with 4-port SFP56 (each stack has 4 members, VSF with 50GbE VSF links, 2 x 25GbE uplinks per stack), which exceeds the minimum requirement of 7 stacks and provides the necessary uplink bandwidth. This configuration supports the 25GbE uplink speeds, satisfies the required number of switch stacks for the EMEA distribution center, and is compatible with the existing 25GbE- certified fiber infrastructure at HQ2 and EMEA-DISTR.

NEW QUESTION # 66

XYZ Regional Hospital is an integrated healthcare system of Hospitals, neighborhood health centers, and small doctor offices. XYZ Regional Hospital has recently merged with 1x neighborhood health centers and

1Z5 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 LANs, 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, S0-8ranch. IoT

* Provide secure wireless access to all the employees of (he 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 WPA2/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 teams, 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 XYZ Regional Hospital is looking for an NAC solution to address its security challenges- Requirements:
 - fully redundant NAC solution for management and authentication
 - wireless and wired authentication for the main hospital will be handled locally. The IT director of XYZ Regional Hospital is interested in a solution for nurse workstation tracking. What solution would meet the customer's requirements? (Select three.)

- A. Asset Tracking Subscription
- B. Aruba Tags Configuration App
- C. Client insight
- D. Aruba User Experience Insight
- E. Airwave
- F. Map Subscription

Answer: A,D,F

Explanation:

For nurse workstation tracking, Aruba User Experience Insight can provide insights into how applications and network services are performing, which can help in understanding user experiences across the hospital network. The Asset Tracking Subscription is a crucial component for keeping track of physical assets such as nurse workstations. The Map Subscription would complement the asset tracking by providing detailed maps of the hospital's interior, enabling precise location tracking of the workstations. These solutions together would allow the hospital to effectively track and manage their resources, ensuring that nurses can find workstations quickly and efficiently, which is essential in a fast-paced medical environment.

NEW QUESTION # 67

ACME retail has 38 locations spread out across five US states and two provinces in Canada.

They are looking to grow 20% over the next two years. They have an HQ with a staff of 200 employees. The organization has eight Regional Managers and two VPs who work from home and the road. Stores typically have 17 employees on average per location. The two warehouses have a remote loading system and 20 employees each to load the trucks and fulfill the online orders. The warehouse has 40-foot ceilings and large metal racks to store inventory. The main location is 240K sq ft (22300 sq m) and the Canadian warehouse is 130K sq ft (12100 sq m). The forklifts on the loading docks are equipped with a wireless tablet on board. A typical store is reportedly about 60,000 sq ft (5575 sq m) and smaller stores are planned at 25,000 sq ft (2320 sq m). The locations need to expand the abilities to vendors that need to add setup displays or interactive kiosks in the stores. The current infrastructure was installed in 2015 and used wireless N technology in a coverage model. The wiring is Cat5, and they are unsure of the fiber connections. The inventory is all placed on the floor when it is delivered to the local store. Inventory control is handled through Zebra barcode scanners, and they have had a lot of issues in getting signals throughout the stores and this makes monthly inventory difficult. The organization has a small help desk to troubleshoot issues that happen at the retail locations and PC support for the office. The company is looking to upgrade away from the current PBX system later this year. With the need to grow and cut costs, they are interested in moving the data to the cloud but need to get almost real-time inventory control for the online service to function.

The network has all been wired over the last ten years, but with the new systems being all wireless, they have seen the trend to offer wireless to all the vendors for their needs but also would be to allow employees, guests, and contractors all to use it. With the new IT director starting next week, the project has been set by the CTO of the company. The marketing group has asked how they can interact with the customers and get more info, while the IT support desk needs to cut staff in half.

The office has an MDF and two IDFs located on floors one and two. The MDF is in the basement, and you have multiple WAN circuits for the HQ links. Each store has a local handoff from the cable company (Ethernet) in the middle of the store in the office, so distance for the wiring is not an issue.

The customer has budget concerns but does want something that could last 7+ years.

Which two projects does the customer have in the planning state? (Choose two.)

- A. VoIP upgrade
- B. kiosks/display station

- C. new POS system
- D. Inventory Control System

Answer: A,D

Explanation:

ACME Retail is in the planning stages of upgrading their current PBX system to a VoIP system, as indicated by their intention to move away from the existing PBX system later in the year. This upgrade is part of their overall network infrastructure overhaul to incorporate modern best practices. Additionally, the company is facing challenges with their current inventory control system, particularly with Zebra barcode scanners having signal issues throughout the stores, making monthly inventory processes difficult. Improving the inventory control system to achieve almost real-time inventory for their online service is a critical aspect of their growth and cost-cutting strategy, hence it's in the planning stage as well.

NEW QUESTION # 68

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