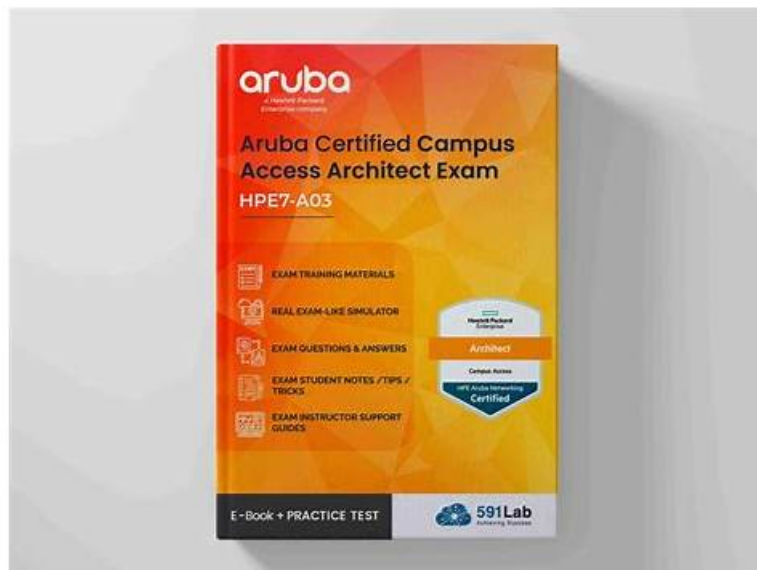


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HP HPE7-A03 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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.
Topic 4	<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.

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HP Aruba Certified Campus Access Architect Exam Sample Questions (Q50-Q55):

NEW QUESTION # 50

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 wired headless devices would be authenticated using Mac Authentication and would have RADIUS attributes sent back to the NAD to assign VLAN and port access parameters to the authentication session on the switch port.

What would be critical in making this a successful deployment? (Select two.)

- A. DHCP
- B. Mobility Gateway
- C. Airwave
- D. ClearPass

Answer: A,D

Explanation:

For a successful deployment of MAC Authentication with RADIUS attributes for VLAN and port access parameters, ClearPass is critical. ClearPass Policy Manager offers advanced network access control, policy management, and is capable of handling MAC Authentication effectively. It can communicate with the Network Access Devices (NADs) to apply the correct access policies based on RADIUS attributes received during the authentication process. DHCP is also crucial in this setup for dynamically assigning IP addresses to authenticated devices, ensuring that they can connect to the network with the appropriate network settings. Together, ClearPass and DHCP services form the backbone of a secure, manageable, and dynamically segmented network infrastructure, ensuring devices are authenticated and receive the correct network configuration.

NEW QUESTION # 51

ACME retail has 38 locations spread out across Ave US states and two provinces in Canada. They are looking to grow 20% over the next two years. They have an HO 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 sqm) 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 like 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 IDF's located on floors one and two. The HOF is in the basement, and you have multiple WAN circuits for the HO 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.

What are two primary concerns of the Stakeholder? (Select two.)

- A. ease of access
- B. cost of solution
- C. future proof
- D. expansion

Answer: B,C

Explanation:

For the stakeholders at ACME Retail, the primary concerns include the cost of the solution and ensuring that the solution is future-proof. Given the company's budget concerns, it is crucial that the chosen network infrastructure offers a good return on investment and aligns with their financial constraints. At the same time, considering the company's growth plans and the rapid evolution of technology, the solution must be scalable and adaptable to future needs. This involves selecting networking equipment and technologies that can support emerging trends, such as increased wireless device usage, cloud computing, and advanced security requirements, without necessitating frequent, costly upgrades. Balancing these concerns will help ACME Retail achieve its operational goals while positioning itself for sustainable growth and innovation.

NEW QUESTION # 52

A customer wants to have the ability to show network usage. Which product would allow them to have this visibility?

- A. Aruba OS 8.X
- B. UXI
- C. Central
- D. ClearPass

Answer: C

Explanation:

Aruba Central provides a cloud-based management platform for managing and monitoring Aruba Instant APs, switches, and branch gateways. It offers a comprehensive dashboard that gives insights into network usage, health, and performance metrics. Central allows network administrators to have visibility over their entire network infrastructure from a single pane of glass, including detailed usage statistics, which can be broken down by device, application, and time. This visibility into network usage is crucial for optimizing network performance, planning capacity, and understanding user behavior. Aruba Central's analytics and reporting capabilities enable customers to track and analyze network usage, making it the appropriate product choice for customers wanting to monitor their network usage closely.

NEW QUESTION # 53

ACME retail has 38 locations spread out across Ave US states and two provinces in Canada. They are looking to grow 20% over the next two years. They have an HO 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.

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control for the online service to function.

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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? (Select two)

- A. VoIP upgrade
- B. new POS system
- C. kiosks/display station
- D. Inventory Control System

Answer: A,D

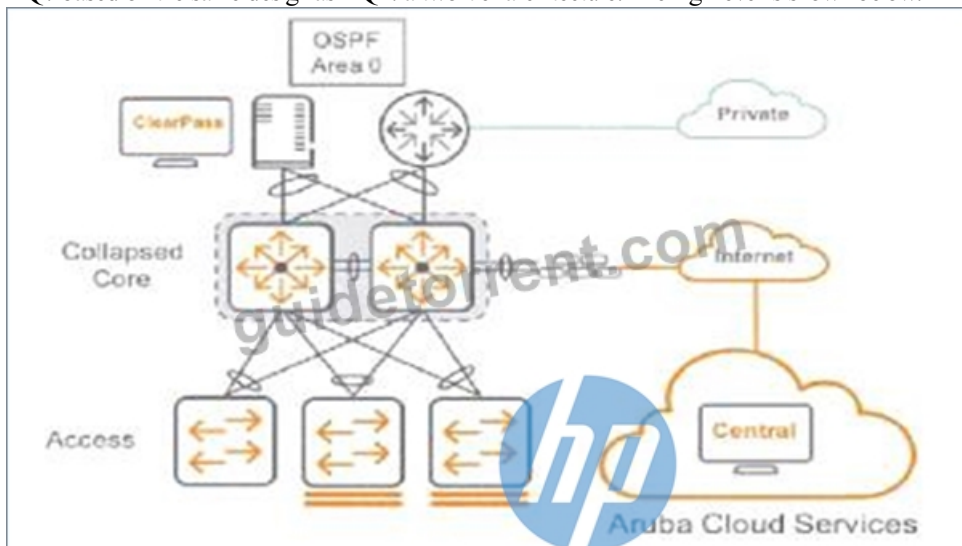
Explanation:

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 # 54

'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 Aruba ESP architecture. You have treated 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 2» ICOG0E DAC)

Access Stack: 10 x Stack of Aruba 6200F 48G Class4 PoE 4SFP- 740W each stack has A members. VSF with 10GbE VSF links) 12 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 updated fiber infrastructure that Don't Buy at Us' has installed in HQ2.

Fiber start	Fiber end	Fiber type	Total distance	Fiber pairs total	Fiber pairs free
IDF1	MDF	OM2	71 meter	8	2
IDF2	MDF	OS1	200 meter	12	8
IDF3	MDF	OM3	150 meter	6	4
IDF4	MDF	OM3	135 meter	10	4
IDF5	MDF	OM4	156 meter	4	2
IDF6	MDF	OS1	167 meter	24	16
IDF7	MDF	OS1	197 meter	12	10
IDF8	MDF	OM3	45 meter	4	2
IDF9	MDF	OS1	250 meter	16	14
IDF10	MDF	OM2	62 meter	8	6

The core stack is Installed in the MDF and per IOF there is one access stack installed. Based on best practice, what is the most cost-effective update to the switch BOM?

- A.

core: 2 x Aruba 8360-16Y2C in VSX (ISL 2x100GbE DAC)
 access stack: 10 x stack of Aruba 6200P 48G Class4 PoE 45FP+ 740W (each stack has 4 members, VSF with 10GbE VSF links) (2 x 10GbE uplink per stack)
 optics: 10 x 10Gbit-SR + 10 x 10Gbit-LR
- B.

core: 2 x Aruba 8360-16Y2C in VSX (ISL 2x100GbE DAC)
 access stack: 10 x stack of HPE Aruba Networking 6200M 48G Class4 PoE 45FP+ (each stack has 4 members, VSF with 10GbE VSF links) (2 x 10GbE uplink per stack)
 optics: 12 x 10Gbit-SR + 8 x 10Gbit-LR
- C.

core: 2 x Aruba 8360-16Y2C in VSX (ISL 2x100GbE DAC)
 access stack: 10 x stack of HPE Aruba Networking 6200M 48G Class4 PoE 45FP+ (each stack has 4 members, VSF with 10GbE VSF links) (2 x 10GbE uplink per stack)
 optics: 12 x 10Gbit-SR + 8 x 10Gbit-LRM
- D.

core: 2 x Aruba 8360-16Y2C in VSX (ISL 2x100GbE DAC)
 access stack: 10 x stack of Aruba 6200P 48G Class4 PoE 45FP+ 740W (each stack has 4 members, VSF with 10GbE VSF links) (2 x 10GbE uplink per stack)
 optics: 12 x 10Gbit-SR + 8 x 10Gbit-LR

Answer: C

Explanation:

Option B is the most cost-effective solution, as it does not include long-range optics, which are unnecessary given the distances and fiber types specified. The 10GbE-SR optics are suitable for short-range connections up to 300 meters over OM3 fiber and would cover the needs of the longest fiber run mentioned, which is 250 meters. The 10GbE-LRM optics, while capable of reaching up to 220 meters over OM2 fiber, would not be necessary as the longest OM2 run is 71 meters, which is within the range of standard 10GbE-SR optics. Thus, Option B provides the required connectivity without incurring additional costs for long-range optics that are not needed given the fiber infrastructure of HQ2.

NEW QUESTION # 55

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Undoubtedly, passing the HP HPE7-A03 Certification Exam is one big achievement. Regardless of how tough the Aruba Certified Campus Access Architect Exam (HPE7-A03) exam is, it serves an important purpose of improving your skills and knowledge of a specific field. Once you become certified by HP, a whole new career scope will open up to you.

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