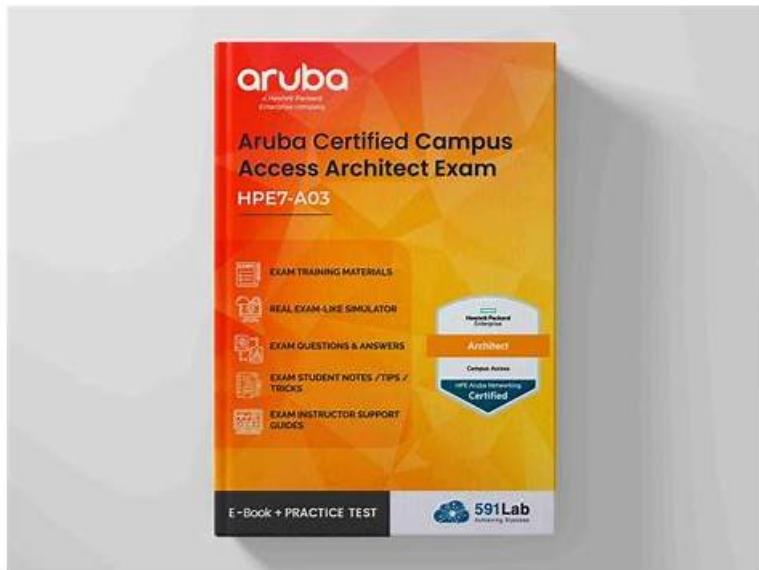


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HP HPE7-A03 Exam Syllabus Topics:

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">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	<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 4

- Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.

HP Aruba Certified Campus Access Architect Exam Sample Questions (Q100-Q105):

NEW QUESTION # 100

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 sq m). Data centers are all offsite 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 to market additional tools to its retail customers. The desire is to make a Blue Dot wayfinding app available to any customer to allow them to locate stores and services within the retail space. They would also like to have directed pop-ups within the app appear when a customer walks within close proximity to any of the 10 "Promotional Kiosks".

What licensing will be needed to make this retail solution a reality? (Choose two.)

- A. qty 2 Meridian Blue Dot subscriptions
- B. **qty 10 HPE Aruba beacons**
- C. **qty 1 Meridian Map subscription**
- D. qty 2 Meridian Map subscriptions

Answer: B,C

Explanation:

Implementing a Blue Dot wayfinding app for retail customers requires the Meridian platform, specifically the Meridian Map subscription, which provides the necessary tools to create detailed maps of the retail space that integrate with the app. Aruba Beacons are also required to enable precise indoor location services, including Blue Dot navigation and proximity-based notifications for promotional kiosks. The beacons work in conjunction with the Meridian-powered app to provide users with real-time location and navigation within the retail space, enhancing their shopping experience with targeted information and promotions as they move close to the kiosks.

NEW QUESTION # 101

You are going with a 3-tier design and need to calculate the oversubscription ratio on the Access.

Distribution. Core, and ToR Layer. What is a suitable oversubscription ratio for each layer?

Answer:

Explanation:

Explanation:

Access - 20:1

Aggregation - 4:1

Core - 2:1

ToR - Not typically applicable in a 3-tier design; however, if ToR were used, it could be 24:1 or better depending on the specific design and requirements.

NEW QUESTION # 102

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.

The customer would like to host all the applications at the HQ Data Center.

Which design would meet the customer's requirements?

- A. SD-Branch Architecture
- B. HPE Comware switches
- C. UXI Sensors
- D. Instant OS access points
- E. 10000 switch with Pensando

Answer: A

Explanation:

For ACME Retail, which aims to host all applications at the HO Data Center and has multiple locations spread across different geographical areas, the Aruba SD-Branch Architecture would be the most suitable design to meet their requirements. This architecture provides a simplified, integrated branch networking solution combining SD-WAN, LAN, and security features. It enables centralized management and control, allowing ACME Retail to efficiently route traffic from branch locations to the HO Data Center, ensuring secure and reliable access to applications. The SD- Branch solution can accommodate the company's growth and adapt to changing network demands, making it an ideal choice for a scalable and flexible network infrastructure that supports ACME Retail's business objectives.

NEW QUESTION # 103

Which member types require a reboot when doing an In-Service-Software-Upgrade within a VSF stack?

- A. Conductor
- B. all member types
- C. Member
- D. Standby

Answer: D

NEW QUESTION # 104

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 a head office (HO) with a staff of 200 employees.

The organization has eight regional managers and two VPs who work from home and on 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 warehouse is 240,000 sq ft (#22,300 sqm), and the Canadian warehouse is 130,000 sq ft (#12,100 sqm).

Forklifts on the loading docks are equipped with wireless tablets onboard.

A typical store is about 60,000 sq ft (#5,575 sqm), and smaller stores are planned at 25,000 sq ft (#2,320 sqm). The locations need to expand wireless access to vendors who set up displays or interactive kiosks.

The current infrastructure was installed in 2015 using wireless N technology in a coverage model. Wiring is Cat5, and fiber connections are uncertain. Inventory is placed directly on the floor when delivered.

Inventory control is handled through Zebra barcode scanners, but poor coverage and signal issues have made monthly inventory counts difficult.

The organization has a small help desk for store support and PC support for the office. The company plans to move away from the current PBX system later this year. They want to cut costs, move services to the cloud, and achieve real-time inventory control for online order fulfillment.

The network has been wired over the last 10 years, but new systems are trending wireless. They want to provide wireless access for employees, guests, vendors, and contractors. The new IT director will start next week, and the CTO has prioritized this project.

Additional context:

- * Marketing wants to interact with customers and collect more data.
- * The IT support desk needs to reduce staff by half.
- * The HO has an MDF and two IDFs (floors 1 and 2).
- * WAN circuits exist for HO.
- * Each store has a local Ethernet handoff from the cable provider in the office.
- * Budget is a concern, but the solution must last 7+ years.

Based on best practices and customer requirements, what is the correct WLAN approach?

- A. ArubaOS 8 Campus deployment
- B. ArubaOS 10 AP-only deployment
- C. InstantOS 8 deployment
- D. ArubaOS 10 AP and Gateway deployment

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

* Why ArubaOS 10 (AOS10):

- * ArubaOS 10 is the current next-generation WLAN architecture, designed for both campus and distributed branch deployments.
- * It supports cloud-native management via Aruba Central, aligning with ACME's move to the cloud.
- * Provides scalability for 7+ years, meeting the long-term investment requirement.
- * Supports Wi-Fi 6/6E APs, which are essential for high-density retail and warehouse environments.

* Why Gateways are Needed:

- * Gateway role is critical to support:
- * Tunneled traffic for segmentation (guest, vendor, employee).
- * Cloud Guest Authentication and captive portal functions for customers.
- * Application visibility and role-based policy enforcement.
- * Integration with SD-Branch WAN for resilience and cost control across remote stores.
- * Gateways ensure the unified policy enforcement across all sites (head office, branches, warehouses, retail stores).

* Why Not the Other Options:

- * B (InstantOS 8): Outdated architecture, limited to smaller standalone AP deployments, not recommended for enterprise growth or cloud-centric operations.
- * C (AP-only AOS10): Provides Wi-Fi but lacks gateways, meaning no central policy enforcement, tunneling, or role-based segmentation. This would not meet ACME's requirements for guest/vendor access control, WAN resiliency, and security.
- * D (ArubaOS 8 campus): Legacy controller-based solution, being phased out in favor of AOS10.

Does not align with cloud-first and future-ready requirements.

* Requirement Mapping to AOS10 AP + Gateway deployment:

- * Real-time inventory & Zebra scanners # Reliable Wi-Fi 6E AP coverage with low latency.

* Cloud-based operations # Aruba Central + AOS10 integration.

* Guest, vendor, employee segmentation # Policy enforcement firewall and dynamic segmentation via gateway tunneling.

* Warehouses with high ceilings # Wi-Fi 6E APs with appropriate antenna design (AOS10 supports full AP portfolio).

* Cut IT staff in half # AI Insights and automation in Aruba Central reduce troubleshooting complexity.

* Marketing customer interaction # Cloud guest services and analytics integration with Aruba Central.

* 7+ year lifecycle # AOS10 architecture is future-proof and actively developed, unlike legacy OS8.

Final Justification:

The only solution that meets all customer requirements (cloud-based management, role-based segmentation, tunneling, guest/vendor access, real-time inventory, scalability, and 7+ years longevity) is an ArubaOS 10 AP and Gateway deployment.

NEW QUESTION # 105

It can be said that all the content of the HPE7-A03 study materials are from the experts in the field of masterpieces, and these are understandable and easy to remember, so users do not have to spend a lot of time to remember and learn. It takes only a little practice on a daily basis to get the desired results. Especially in the face of some difficult problems, the user does not need to worry too much, just learn the HPE7-A03 Study Materials provide questions and answers, you can simply pass the exam.

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