

真実的-高品質なHPE7-A11トレーニングサンプル試験-試験の準備方法HPE7-A11テスト参考書

HPE7-A01

試験の今

後の展望



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>> HPE7-A11トレーニングサンプル <<

HPE7-A11テスト参考書 & HPE7-A11問題トレーニング

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HPE Network Campus Access Professional Architect Exam 認定 HPE7-A11 試験問題 (Q117-Q122):

質問 # 117

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 single-mode fiber (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, maximum length 60 m (200 ft). Each technical room is connected by a single OM2 pair to the IDF, with lengths 100-

150 m (320-500 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 the Internet connection is guaranteed. A week after the presentation of your design to the CIO of the cruise line company, the CIO calls you to discuss increasing the security of 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 (Point of Sale) systems, they need a low-latency network connection between the POS system and the PCS server in the data center on the ship. Also, the CSO wants to enhance the WLAN security as well by tunneling all user traffic. What solution fits the customer's requirements?

- A. Standardize on 6200 switches for the edge, 8325 for the RR, 8360 for the stub/border, and utilize HPE Aruba Networking Central NetConductor.
- B. Standardize on 6300 switches for the edge, 8320 for the RR, 8360 for the stub/border, and utilize HPE Aruba Networking Central NetConductor.
- C. Standardize on 6300 switches for the edge, 3320 for the RR, 8320 for the stub/border, 9240 for the WLAN Gateway, and utilize HPE Aruba Networking Central NetConductor.
- **D. Standardize on 6300 switches for the edge, 8325 for the RR, 8360 for the stub/border, 9240 for the WLAN Gateway, and utilize HPE Aruba Networking 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 HPE Aruba Networking Central NetConductor.

正解: D

解説:

Aruba's ESP Campus Access Design and NetConductor Architecture guides outline the validated roles of devices in dynamic segmentation deployments.

Access Layer (Edge): Aruba CX 6300

The CX 6300 provides 10 Gb uplinks to distribution, advanced features like VXLAN and EVPN, and support for role-based access control at the edge. It is the recommended choice for modern edge deployments in an ESP fabric.

Route Reflector (RR): Aruba CX 8325

The CX 8325 is optimized for routing and control-plane operations. As a route reflector, it scales overlay BGP sessions and distributes policies/roles through the fabric. It is explicitly referenced as the ideal RR platform in Aruba ESP campus validated designs. Stub/Border: Aruba CX 8360 The CX 8360 family provides advanced aggregation and fabric services. It supports VXLAN, EVPN, and border routing functions, making it the right choice for stub/border persona in ESP designs. WLAN Gateway: Aruba 9240 The Aruba 9200/9240 series gateways provide role-based policy enforcement for tunneled WLAN traffic. They terminate GRE/IPsec tunnels from APs, enforce user policies, and forward into the fabric. This is critical to meet the requirement of tunneling all WLAN user traffic for enhanced security. Dynamic Segmentation with NetConductor Aruba Central NetConductor enables centralized definition and orchestration of user roles and segmentation policies. Roles are automatically enforced across the fabric using VXLAN with Group-Based Policy (GBP). This supports both centralized tunneling (for WLAN traffic) and distributed segmentation (for wired POS traffic requiring low latency).

Requirement Mapping:

Low-latency POS traffic -> Distributed role enforcement within the fabric via 8360/8325.

Secure WLAN traffic -> User traffic tunneled to the 9240 gateway for role-based enforcement.

10 Gb uplinks and redundancy -> Provided by 6300 edge switches with dual power options in technical rooms.

ESP architecture -> NetConductor automates overlay, segmentation, and role orchestration.

質問 # 118

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 st) 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 CatS. 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. Based on the scenario, where would you look to add additional items to the BOM to aid the company goals? (Select three.)

- A. Customer Experience Officer
- B. Building Facilities
- C. Marketing
- D. Sales Management
- E. Security Team/CISO
- F. Finance Team

正解: B、C、F

解説:

In addressing the company's goals and the challenges presented in the scenario, adding items to the Bill of Materials (BOM) that would involve the Building Facilities team could include infrastructure upgrades like improved cabling (moving from Cat5 to a higher category) or enhancements to support the new wireless and VoIP systems. For the Marketing team, technologies that could enable better interaction with customers, such as location-based services or analytics tools, would be beneficial. These could help in understanding customer behavior within the stores and tailoring marketing efforts accordingly. Finally, input from the Finance Team would be essential in ensuring that the solutions chosen fit within the budget constraints and offer a good return on investment, especially considering the company's desire for a solution that could last 7+ years and support their growth plans.

質問 # 119

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

- A. 1000Base-LX needs a Mode Conditioning Patch Cable to be operated with OM5 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 OM1 cables up to 550 m

正解: C

解説:

1000Base-LX is designed for single-mode fiber, but it can operate over OM2 multimode fiber up to 550 m without requiring a Mode Conditioning Patch Cable. MCP cables are only needed when running LX optics over older MMF such as OM1 or FDDI-grade fiber due to differential mode delay.

質問 # 120

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 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, SD-Branch, IoT
- 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: 802.11 ax (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 recently acquired a new outpatient building located 900 feet (275 meters) from the main hospital with a clear line of sight but no feasible fiber connection between the two buildings.

The design requirements are as follows:

- Extend existing wireless SSIDs to the outpatient building.
- Cloud management for all wired and wireless devices across both buildings.

Which combination of products should the Network Architect recommend?

- A. Instant AOS-8 AP mesh and AOS-CX switches with advanced subscriptions
- **B. AOS-10 AP mesh and AOS-CX switches with foundation subscriptions**
- C. HPE Aruba Networking cellular bridges and AOS-CX switches with foundation subscriptions
- D. AOS-10 AP mesh, HPE Aruba Networking AirWave, and AOS-CX switches

正解: B

解説:

AOS-10 AP mesh is the appropriate choice because it can extend connectivity between buildings where there is line of sight and no feasible fiber path, and Aruba documents AOS 10 cloud services and mesh-related AP capabilities under Central-managed AOS-10 operations. Cloud-based management of both the APs and AOS-CX switches is also supported through Aruba Central, and Foundation subscriptions are the standard licensing tier for managing those devices in Central.

質問 # 121

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

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

正解: A、B、F

解説:

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.

質問 # 122

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HPE7-A11試験の練習問題の核となる競争力は、ユーザーが見ることができるよう、私たちに強力な専門家

