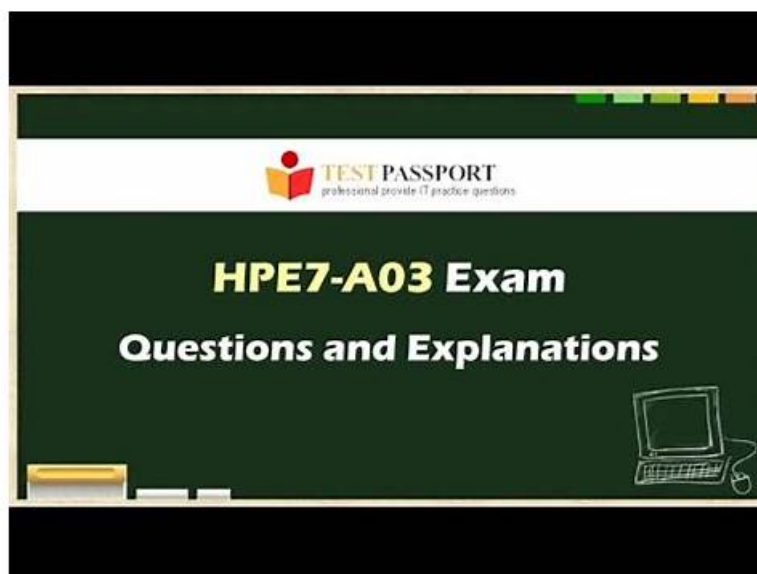


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## HP HPE7-A03 Exam Syllabus Topics:

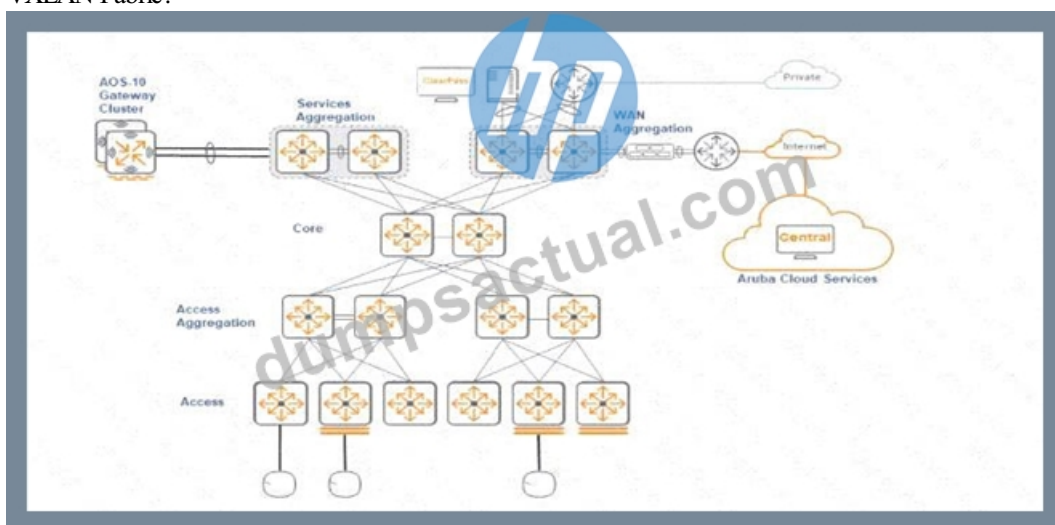
Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Architect the Solution: It measures your knowledge about identifying the solution options, designing high-level topologies, selecting the correct products, and determining the suitable overlay and underlay design. Additionally, the topic discusses how to verify that the design meets the original requirements.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.</li> </ul>

## HP Aruba Certified Campus Access Architect Exam Sample Questions (Q12-Q17):

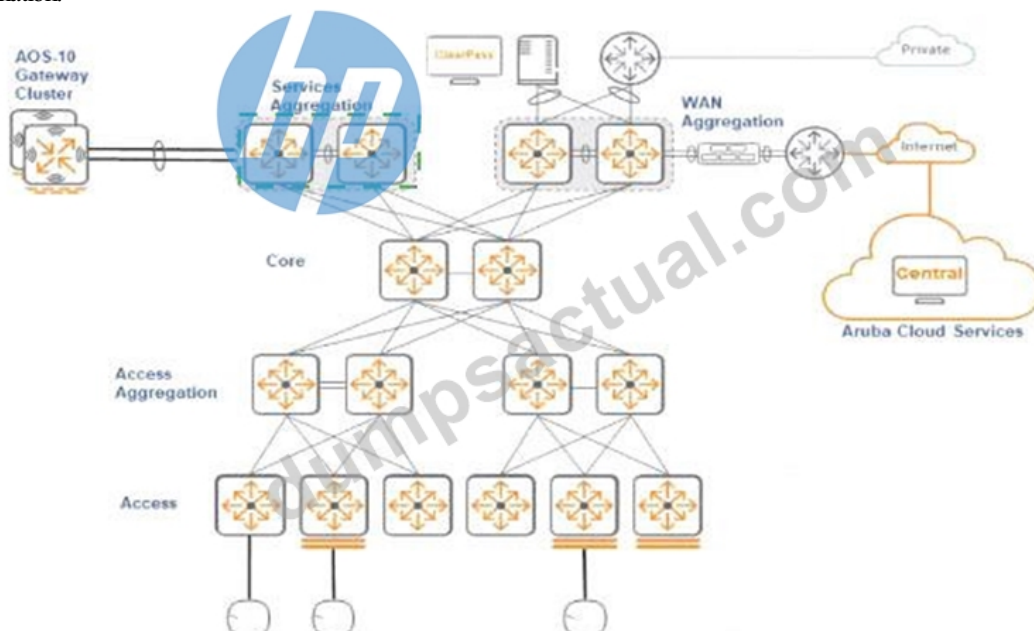
### NEW QUESTION # 12

Based on this campus design, which layer is the most appropriate to be designed as a Border Persona, considering an EVPN VXLAN Fabric?



**Answer:**

**Explanation:**



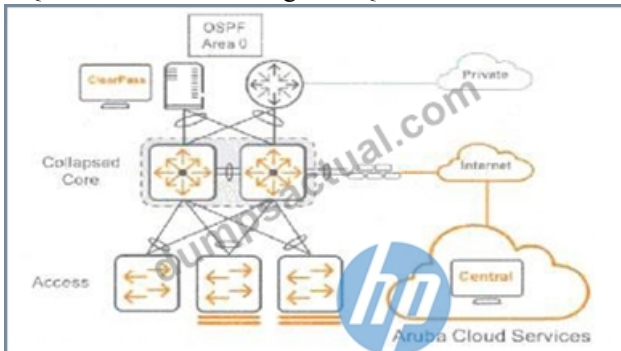
**Explanation:**

Based on the campus design provided and considering an EVPN VXLAN Fabric, the most appropriate layer to be designed as a Border Persona would be the "Services Aggregation" layer. In an EVPN VXLAN architecture, the Border or Border Leaf nodes provide connectivity to external networks, such as WAN, internet, or private connections. They are responsible for routing traffic into and out of the VXLAN fabric and typically also handle services like firewalling, load balancing, and other network services.

### NEW QUESTION # 13

'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 4 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 6200F 48G Class4 PoE 4SFP+ 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
- 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 4SFP+ (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
- 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 4SFP+ (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 HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ (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

**Answer: B**

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 # 14

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. ACME Retail is using 4-post racks. Which rack mounting kit is better suited for this project?

- A. optional Third Party 4-port Rack Mount Kit
- **B. optional Aruba Universal 4-post Rack Mount Kit**
- C. included Rack Mounting Kit
- D. optional Aruba 2-post Rack Mount Kit

**Answer: B**

Explanation:

For a large multinational retail company like ACME Retail that uses 4-post racks in their network infrastructure, the most suitable rack mounting kit would be the optional Aruba Universal 4-post Rack Mount Kit. This kit is designed to provide a secure and stable mounting solution for networking equipment in 4-post rack systems, which are commonly used in enterprise environments for their robustness and ability to support heavier equipment. The Aruba Universal 4-post Rack Mount Kit is versatile and designed to fit a wide range of Aruba switches and networking devices, making it an ideal choice for ACME Retail's project, ensuring compatibility and ease of installation across their various locations.

## NEW QUESTION # 15

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 IDF's 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 (930 ft) and the type used is OM3. 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 10GbE 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.

Based on the best practices, what should you recommend as the correct optic type for the connection between the IDF and the cabins?

- A. Aruba 10G LC BiDi 40 km-D 1330/1270 XCVR
- B. Aruba 106 SFP- LC LRM 220 m MMF Transceiver
- C. Aruba 10GBASE-T SFP- RJ--35 30 m Cat6A Transceiver
- **D. Aruba 106 SFP- LC SR 300 m MMF Transceiver**

**Answer: D**

Explanation:

For the connection between the IDF and the cabins, which requires supporting distances up to 60 meters on OM2 fiber, the most appropriate optic type is the Aruba 10G SFP+ LC SR 300 m MMF Transceiver. This transceiver is compatible with multi-mode fiber (MMF) and is capable of supporting the required distance for connections to the cabins, making it a suitable choice based on the company's existing cabling structure and the need for 10GbE uplink capabilities to manage increased network traffic. The SR (Short Range) designation indicates that this transceiver is optimized for short to medium distances, which aligns with the maximum 60-meter distance from IDF to cabins, ensuring reliable and high-speed connectivity for the ship's LAN infrastructure within the given physical constraints.

#### NEW QUESTION # 16

What are the considerations when using existing MMF and upgrading to equipment capable of 10 GbE speeds? (Select two)

- A. redundant fiber tube into cabinet
- B. type of fiber connector
- **C. length of MMF fiber**
- **D. type of MMF fiber**
- E. single fiber tube into cabinet

**Answer: C,D**

Explanation:

When upgrading existing Multimode Fiber (MMF) infrastructure to accommodate equipment capable of 10 GbE speeds, two primary considerations are the length of the MMF fiber (Option A) and the type of MMF fiber (Option C). The length of the fiber impacts the signal quality and bandwidth capacity, with longer lengths potentially requiring signal conditioning or different types of fiber to support higher speeds. The type of MMF fiber, such as OM1, OM2, OM3, or OM4, significantly affects its bandwidth capabilities and distance limitations at 10 GbE speeds. OM3 and OM4 fibers are designed to support 10 GbE transmissions over longer distances compared to OM1 and OM2, making them more suitable for upgrades to higher speeds.

Understanding these factors is crucial to ensure the existing fiber infrastructure can support the desired network performance without extensive modifications or replacements.

#### NEW QUESTION # 17

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It is a truth universally acknowledged that there are more and more people in pursuit of the better job and a better life in the competitive world, especially these people who cannot earn a nice living. A lot of people has regard passing the HPE7-A03 exam as the best and even only one method to achieve their great goals, because they cannot find the another method that is easier than the exam to help them to make their dreams come true, and more importantly, the way of passing the HPE7-A03 Exam can help them save a lot of time. So a growing number of people have set out to preparing for the exam in the past years in order to gain the higher standard life and a decent job. As is known to us, the exam has been more and more difficult for all people to pass, but it is because of this, people who have passed the HPE7-A03 exam successfully and get the related certification will be taken seriously by the leaders from the great companies.

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