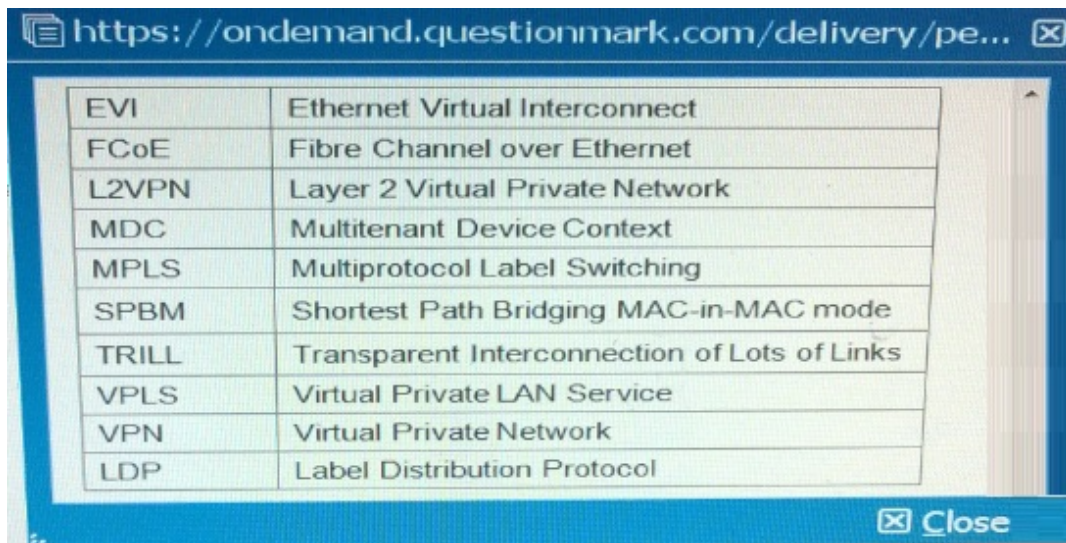# HP

Exam HP0-Y51

Building HP SDN and FlexNetwork Solutions

Version: 6.1

[Total Questions: 60]

Question No : 1

Table of Acronyms

EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
L2VPN	Layer 2 Virtual Private Network
MDC	Multitenant Device Context
MPLS	Multiprotocol Label Switching
SPBM	Shortest Path Bridging MAC-in-MAC mode
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VPN	Virtual Private Network
LDP	Label Distribution Protocol

A company is deploying an HP VAN SDN Controller solution, which is installed with the HP Network Protector application. The administrator configures the solution to control HP Provision switches and must choose the OpenFlow instance failover mode. Which customer requirement should cause the administrator to choose standalone mode?

A. The solution must work with a single VAN SDN Controller rather than a team of controllers.
B. The company requires N+2 redundancy for the VAN SDN Controller functionality and the malware protection.
C. OpenFlow must be confined to the guest VLAN, which has the devices against which Network Protector guards the network
D. It is vital to protect user connectivity if the controller fails, even if the network is temporarily less protected against malware

Answer: A

Question No : 2

A company has an HP BYOD solution to let guests connect to a Guest SSID and log in through a registration page. The company needs an Employee SSID which enforces Wi-Fi Protected Access 2 (WPA2) with 802.1X. Employees must authenticate with certificates. Before authenticating with a device for the first time, the employees should be able to connect to the Guest SSID, access the guest registration page, and download valid
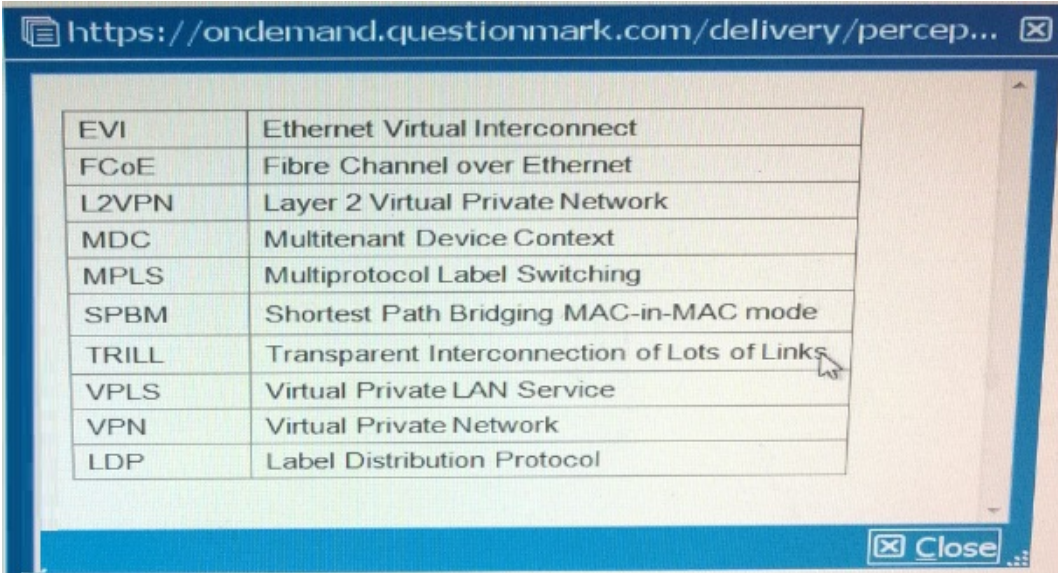
certificates.

How does the administrator configure User Access Manager (UAM) to allow employees to download certificates from the registration page?

A. The User Endpoint Settings, create an Endpoint Configuration Distribution Policy that permits the employee groups.
B. In the Guest Manager settings for the employee manager, enable auto-registration in certificate mode.
C. In the Guest access policy, make sure that a policy binds the Employee SSID to an access rule with the onboarding VLAN ID.
D. In the Employee access service, make sure that a policy binds the Employee SSID to an access rule with the onboarding VLAN ID.

Answer: B

Question No : 3

Table of Acronyms

An HP Comware switch is configured with the MDC feature. It has three MDCs, which use the same CPU and are assigned these CPU weights:

    ✐ MDC 1 = 10
    ✐ MDC 2 = 4
    ✐ DC 3 = 2

Currently:

- MDC 1 needs to use 25 percent of the CPU resources.
- MDC 2 needs to use 60 percent of the CPU resources.
- MDC 3 needs to use 60 percent of the CPU resources.

Approximately what percentage of the CPU does each MDC receive while at the current CPU request rates?

A. MDC 1 = 25 percent, MDC 2 = 50 percent, and MDC 3 = 25 percent
B. MDC 1 = 63 percent, MDC 2 = 25 percent, and MDC 3 = 12 percent
C. MDC 1 = 10 percent. MDC 2 = 4 percent, and MDC 3 = 2 percent
D. MDC 1 = 25 percent. MDC 2 = 25 percent, and MDC 3 = 12 percent

Answer: B

Reference: http://h10032.www1.hp.com/ctg/Manual/c03595099 (page 209, see 'specifying a CPU weight for an MDC')

Question No : 4

A company has an HP Unified Wired-Wireless controller that controls HP MultiService Mobility (MSM) APs. The network administrator wants to implement protection against rogue APs in the company's campus environment. Only APs that have approved MAC addresses should be allowed to operate and support clients. Controlled APs should send disassociation frames to prevent clients from connecting to rogue APs.

The administrator sets up APs to monitor the area and creates a permitted MAC address list with the approved AP MAC addresses. The administrator has not configured any other Intrusion Detection System (IDS) settings. Which additional step must the administrator complete?

A. Enable a dynamic blacklist.
B. Configure the permitted vendor and permitted SSID lists.
C. Enable countermeasures.
D. Deploy the permitted MAC address list as a static attack list to each controlled AP

Answer: C

Question No : 5

An HP Unified Wired-Wireless controller is configured to enforce portal authentication on a Guest SSID. The company plans to use the local portal server on the controller but needs customized portal pages that show information about the company. What is one of the rules for customizing the pages?

A. Additional pages beyond the six main pages can be loaded, but every page must include the logon.cgi action.
B. Any number of pages can be loaded, but the six main pages must use the default filenames and include script for certain actions.
C. The customized local pages must call up pages that are hosted on an external Web server such as User Access Manager (UAM).
D. The portal can only use up to six pages, but the text and logo files on these pages can be customized as desired.

Answer: D
Reference:
http://h20566.www2.hp.com/hpsc/doc/public/display?sp4ts.oid=6796025&docId=emr_na-c04406852&docLocale=en_US (page 163)

Question No : 6

What is one benefit of the HP patent for Adaptive Multicast channel width and Guard Interval 802.11n?

A. HP APs can bind up to three channels together for any multicast transmissions in the 5 GHz frequency range, including 802.11a and 802.11n.
B. HP APs can adjust whether they send multicasts over a bonded channel based on the 802.11 standards supported on device in the current environment.
C. HP APs can adapt the precise frequency on which they transmit to each client, enabling them to transmit multicasts to more than one clients at the same time.
D. HP APs can transmit multicasts as broadcasts or unicasts, helping to ensure higher transmission rates and more reliable delivery for multicast.

Answer: B

Question No : 7

A company has an HP BYOD solution with these requirements:
    ✎ Employees can connect their own devices to an Employees SSID, which enforces

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Wi-Fi Protected Access 2 (WPA2) with 802.1X.

✎ User Access Manager (UAM) is the RADIUS server for 802.1X authentication, and it enforces EAP-TLS.

✎ The employees will first connect to an open SSID, access a portal page, and download the proper certificates for completing 802.1X authentication.
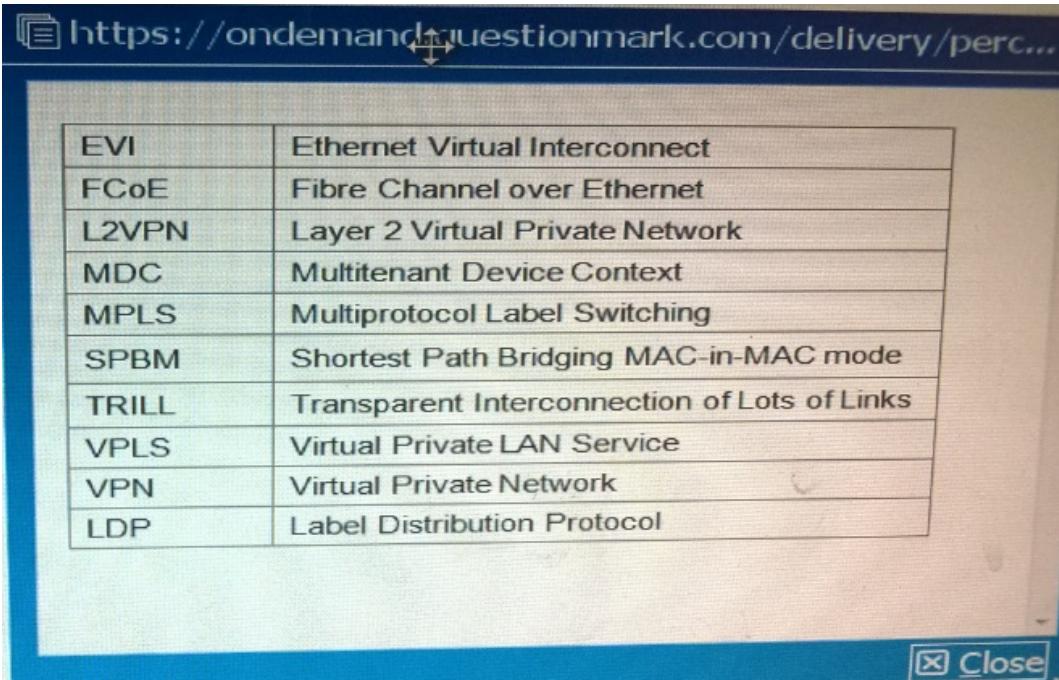
To meet these requirements, an administrator needs to deploy the correct certificate templates on UAM. What determine deploy?

A. Whether the company uses Active Directory (AD) or Open LDAP
B. Type of endpoint devices and the device operating systems (OS)
C. Government regulations with which the company must comply
D. Level of security that the company requires

Answer: B

Question No : 8

Table of Acronyms

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What is a benefit of enabling tandem multicast replication for SPBM?

A. SPBM switches can send multicasts as both multicasts and unicasts, increasing reliability for the transmission.

6

B. Multicasts follow a better path to each destination than they would with head-end replication.

C. An ingress SPBM switch does not have the load of replicating and forwarding many copies of a multicast.

D. An ingress SPBM switch can load-balance multicasts over multiple equal-cost paths to a destination, even when the multicast belong to the same I-SID.

Answer: B

Reference: http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c04220368-2&docLocale=en_US (page 10)

Question No : 9

Refer to the exhibit.

```
[5900]display openflow instance 1 flow-table

Flow entry 3 information:
  cookie: 0x0, priority 31000, hard time: 0, idle time: 60, flags: none,
  byte count: --, packet count: 0
Match information:
  Ethernet type: 0x0800
  IPv4 source address: 10.1.2.0, mask: 255.255.255.0
  IPv4 destination address: 10.1.3.0, mask: 255.255.255.0
Instruction information:
  Write actions:
  Output interface: _____
```

The HP Comware switch places VLAN 2, which is associated with 10 1.2.0/24, in OpenFlow instance 1. The switch supports IP routing and is configure with the default gateway IP address in VLAN 2. An SDN application has created the flow entry shown in the exhibit to route traffic from 10.1.2.0/24 to 10.1.3.0/24.

The exhibit does not show the output interface for the flow. Which output interface supports the needs of this scenario?

A. Any port that is a member of VLAN 2
B. Any port in the controller VLAN
C. Normal
D. Controller

Answer: D

Question No : 10

A company has HP MultiService Mobility (MSM) APs that receive DHCP addresses on several different subnets. The APs are controlled by an MSM Controller. The company is considering replacing the MSM Controller with a Unified Wired-Wireless controller. The administrator runs a proof of concept test in which some of these APs are discovered and controlled by the Unified Wired-Wireless controller. Now the administrator wants to return the APs to being controlled by the MSM Controller.

The network administrator performs these actions:

- Ensures that the Colubris vendor-specific option in each AP subnet DHCP scope references the MSM Controller IP address
- Reboots the APs.

The MSM Controller never succeeds in discovering the APs. A debug reveals that the APs are not contacting the controller at all.
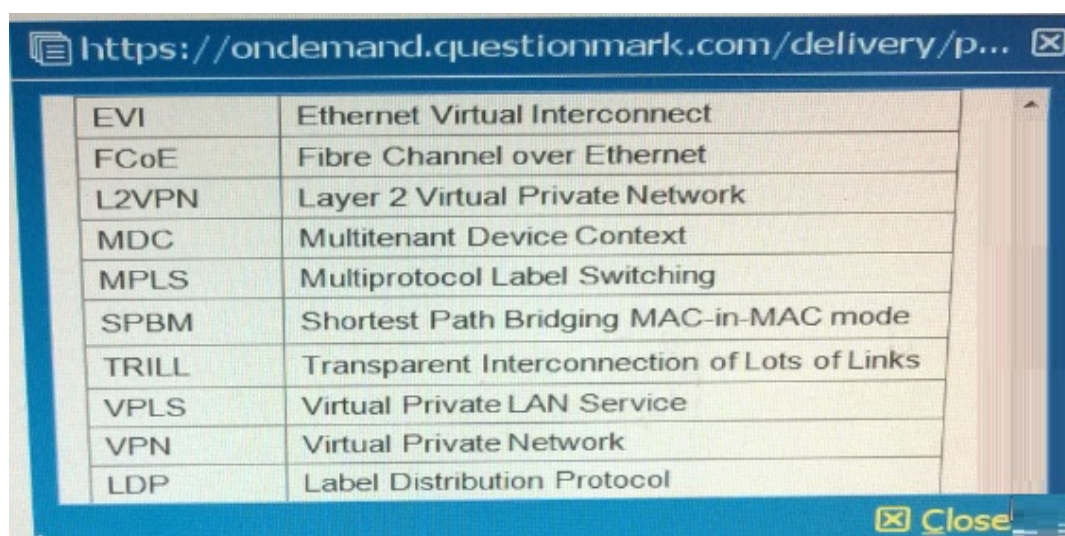
Which action could fix this problem?

A. Reset the APs to the factory default settings
B. In each AP DHCP scope, delete the Colubris vendor-specific option
C. Add a DNS host entry that maps hp example com to 10.1.10.20.
D. Upload MSM software to the HP Wired-Wireless controller flash.

Answer: A

Question No : 11

Table of Acronyms

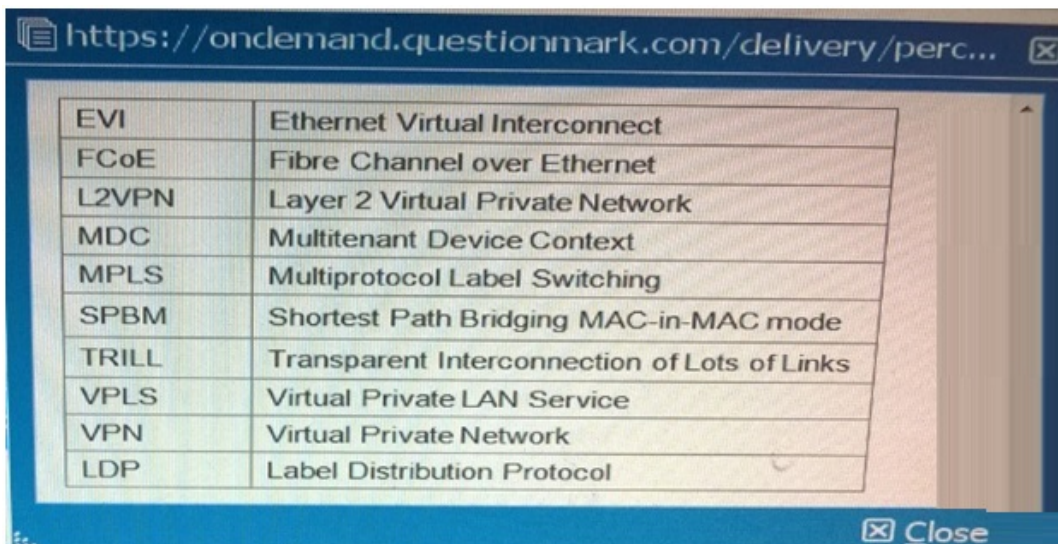| EVI	Ethernet Virtual Interconnect
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Which HP IMC module helps companies to manage TRILL and SPBM solutions, as well as converged LAN/SAN solutions?

A. HP VAN Connection Manager
B. HP VAN SDN Manager
C. HP VAN Resource Manager
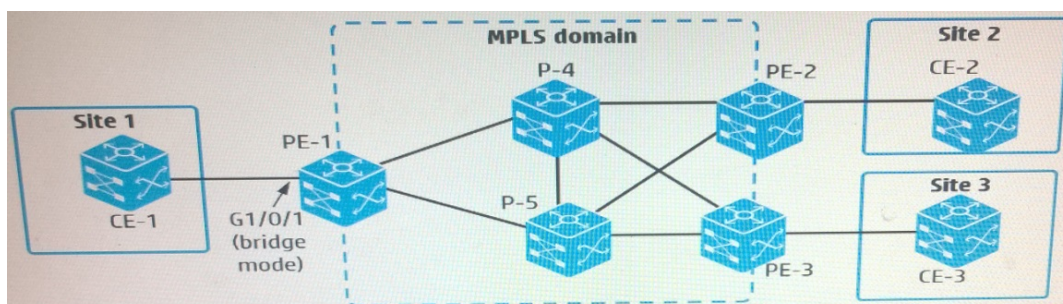**D.** HP VAN Fabric Manager

Answer: B

Question No : 12

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Refer to the exhibit.

An administrator is configuring an MPLS and VPLS Martini to connect customer Sites 1, 2, and 3. The administrator has created Virtual Switch Instance (VSI) "CustomerA" for this