

**Test-King.HP0-Y51\_60.QA**

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File Version: 22.06



**HP HP0-Y51**  
**Building HP SDN and FlexNetwork Solutions**

- ◆ I have updated the vce with new answers from forum and pdf
- ◆ Questions and Answers material is updated in highly outclass manner on regular basis
- ◆ Any questions/info you can recall are on the VCEs. So the preparation of exam is very easy.
- ◆ The questions in the dump are fantastic, the test will take different versions of the questions and display the answers differently.
- ◆ Tip just read the questions carefully and you will make it... Thanks for this dump, it is a good guide....

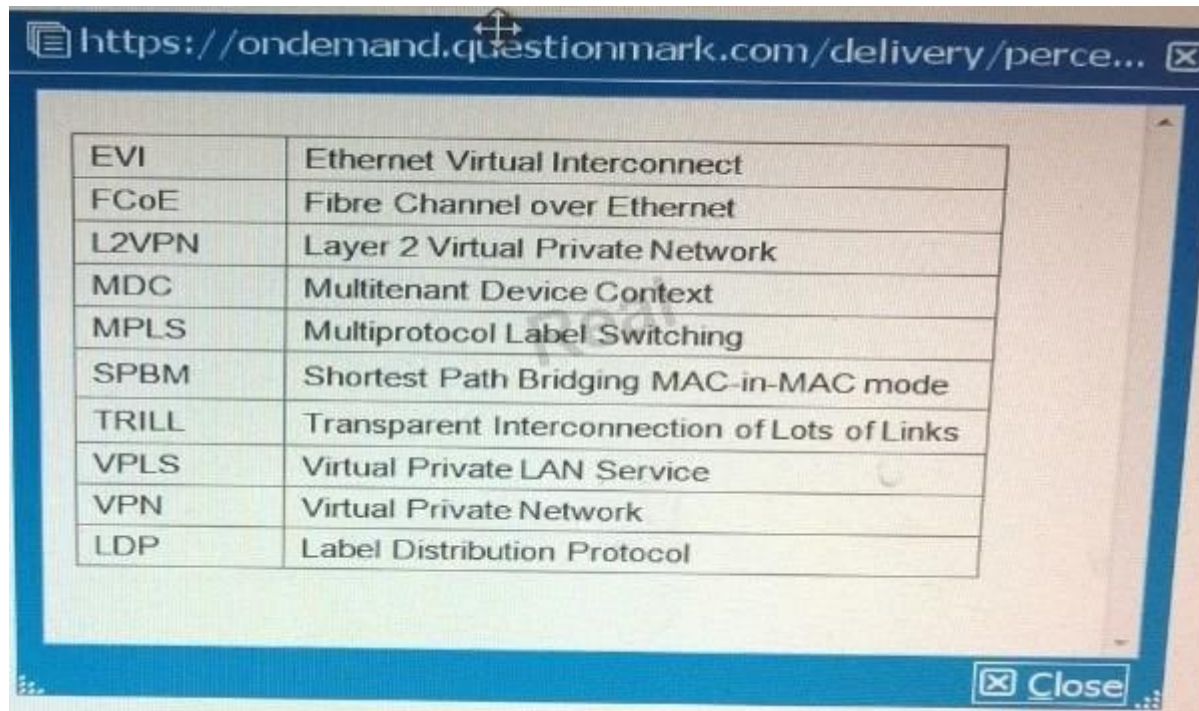
**Exam A**

**QUESTION 1**

Table of Acronyms

Real 16

HP HP0-Y51 Exam



The screenshot shows a web browser window with the address bar displaying 'https://ondemand.questionmark.com/delivery/perce...'. The main content area contains a table with two columns: the first column lists acronyms and the second column lists their full names. The table is as follows:

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

At the bottom right of the table, there is a 'Close' button.

An administrator has configured an HP Comware switch to support FCoE in Fibre Channel Forwarder (FCF) mode. A switch interface, ten1/0/1, connects to a sewer FC host bus adapter (HBA). The HBA should send storage traffic in VSAN 2, which is associated with VLAN 20.

How should the administrator assign FC traffic for this HBA to VSAN 2?

- A. By binding a VFC interface to ten1/0/1 and specifying VSAN 2 as the VFC interface trunk VSAN
- B. By accessing the VLAN 20 configuration view and specifying ten1/0/1 as a member port of the VLAN
- C. By configuring ten1/0/1 as an F-mode FC port and specifying VSAN2 as the port access VSAN
- D. By accessing the VSAN 2 configuration view and adding ten1/0/1 as a trunk port

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 2**

Refer to the exhibit. (Note: the IDs in the exhibit have been truncated to simplify references to them)

Real 17

HP HP0-Y51 Exam

```
sdn@sdnctl:~$ keystone role-list
```

id	name
94	sdn-user
d0	sdn-admin

```
sdn@sdnctl:~$ keystone tenant-list
```

id	name	enabled
0c	sdn	True

```
sdn@sdnctl:~$ keystone user-list
```

id	name	enabled	email
1c	sdn	True	
9b	rsdoc	True	
a6	monitor	True	

An administrator creates user "monitor", who should have read only access to the HP VLAN SDN Controller. The administrator needs to enter this command to finish up the user account.

keystone user-add-role - -user-ID ID1 - - tenant-id ID2 - -role-ID ID3

What are the correct values for ID1, ID2, and ID3?

A. ID1 = 94; ID2 = a6; ID3=0c

- B. ID1 = a6; ID2 = 0c; ID3=94
- C. ID1 = 9b; ID2 = a6; ID3=d0
- D. ID1 = a6; ID2 = 0c; ID3=d0

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 3

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?

Real 18  
HP HP0-Y51 Exam

- 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.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:[http://h20566.www2.hp.com/hpsc/doc/public/display?sp4ts.oid=6796025&docId=emr\\_n a-c04406852&docLocale=en\\_US](http://h20566.www2.hp.com/hpsc/doc/public/display?sp4ts.oid=6796025&docId=emr_n a-c04406852&docLocale=en_US)(page 163)

### QUESTION 4

A company has an HP BYOD solution. The administrator is setting up synchronization of user accounts from Active Directory (AD). The administrator wants User Access Manager (UAM) to organize the user accounts in groups in the same way that AD does.

How does the administrator configure this to accomplish the goal?

- A. Establish the LDAP synchronization policy, and then create a user group policy to synchronize the groups and sort the user accounts
- B. In the LDAP Server policy, set the User Group setting to Synchronize by OU, which allows AD to create the groups automatically
- C. Install the UAM agent on the AD server, otherwise, UAM can only synchronize the highest-level group of domain users.

D. Create every group before setting up the LDAP synchronization policy

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 5

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.

Real 19

HP HP0-Y51 Exam

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.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

answer is modified.

### QUESTION 6

A company has an HP Network Protector SDN Application with these characteristics:

- The Network Protector whitelist for all user VLANs includes site1.example.com.
- The blacklist for all user VLANs includes site1.example.com with a time range of 9:00 to 17:00.

- The Rep DV database includes site1example.com with a reputation score of 90.

An endpoint attempts to browse to site1.example.com. How does Network Protector classify DNS requests for site1.example.com?

- A. It always flags the requests as threats.
- B. It flags the requests as threats between 17:00 and 9:00.
- C. It flags the requests as threats between 9:00 to 17:00.
- D. It never flags the requests as threats.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 7**

Table of Acronyms

Real 20

HP HP0-Y51 Exam



https://ondemand.questionmark.com/delivery/perception...

EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
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VPN	Virtual Private Network
LDP	Label Distribution Protocol

Close

Which common data center requirement does an HP EVI solution meet?

- A. It enhances multi-data center solutions by extending Layer 2 connectivity across data centers connected at Layer 3.
- B. It provides network administrators with more control over and visibility into communications between virtual machines (VMs).
- C. It increases resilience and high availability within a data center transforming Layer 2 connections into a single fabric.
- D. It enhances security for communications between data centers by automatically establishing encrypted tunnels between sites.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 8

A company has an external SDN application that works with an HP VAN SDN Controller. The application programmer has tried testing several RESTful API calls but receives authentication errors. What does the administrator need to explain to the programmer?



- A. Every RESTful API call must include an X-Auth token. The token can be obtained by sending a call with valid credentials `https.Controller_IP.8443/sdn/v2.0/auth`
- B. Every RESTful API call must include a valid username and password. The only exception is when the AuthRequired parameter is set to false in restful conf file.
- C. Every RESTful API call must include an X-Auth token. The token must be created by a valid certification authority (CA) and installed on both the controller and external application in advance.
- D. The application must be installed with a certificate that is signed by the same certification Real 21  
HP HP0-Y51 Exam  
authority (CA) that signed the VAN SDN Controller certificate.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 9

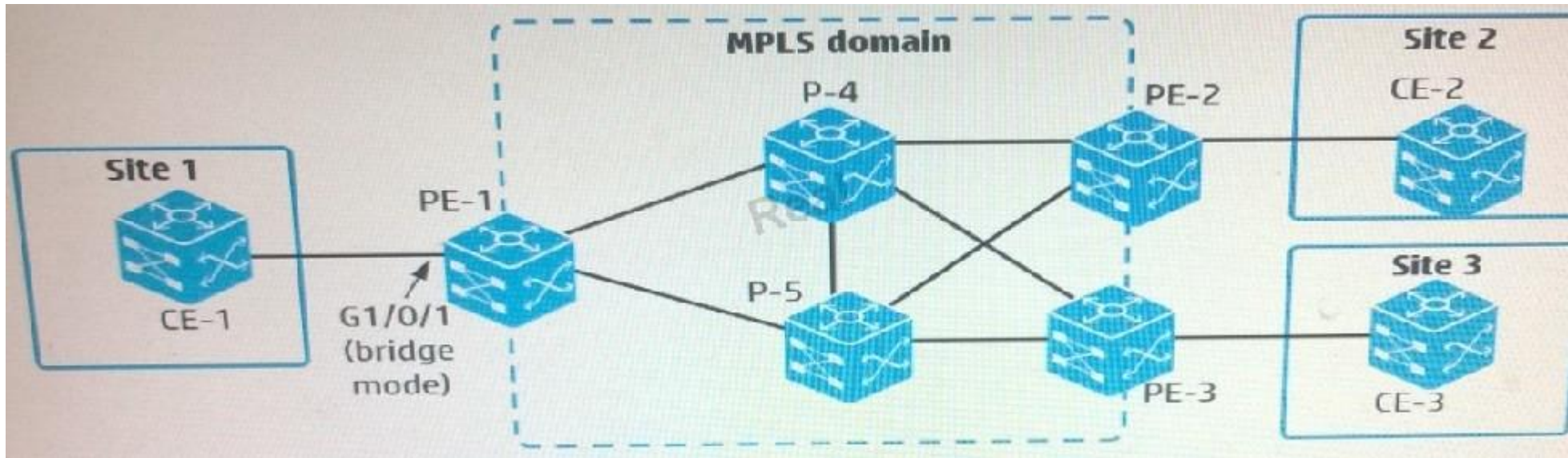
Table of Acronyms

<https://ondemand.questionmark.com/delivery/perc...>

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Close

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 purpose.

How should the administrator connect customer Site 1 to the VPLS solution?

- A. Create a service instance on the VLAN assigned to g1/0/1. Also create a global cross-connect group, and bind the CustomerA VSI and the service instance in that group.  
Real 22  
HP HP0-Y51 Exam
- B. Create a service instance on g1/0/1. Also create a global cross-connect group, and bind the CustomerA VSI and the service instance in that group.
- C. Create a service instance on the VLAN assigned to g1/0/1. Bind (cross-connect) that instance to the CustomerA VSI.
- D. Create a service instance on g1/0/1. Bind (cross-connect) that instance to the CustomerA VSI.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

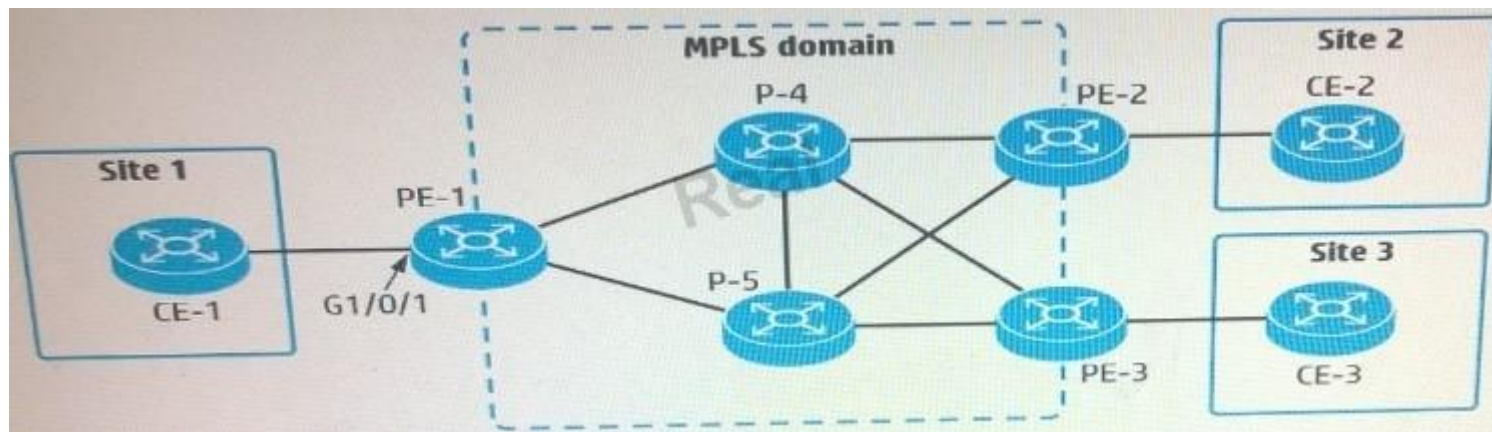
**QUESTION 10**  
Table of Acronyms

<https://ondemand.questionmark.com/delivery/perc...>

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TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

Close

Refer to the exhibit.



An administrator wants to establish a remote LDP session between PE-1 (loopback IP address 10.0.0.1) and PE-2 (loopback IP address; 10.0.0.2). What is required to do this?

- A. Both PE-1 and PE-2 have a VPN instance that is defined with the same route distinguisher Real 23  
HP HP0-Y51 Exam  
(RD)
- B. Both PE-1 and PE-2 advertise the same label for their loopback IP address
- C. Both PE-1 and PE-2 use ordered mode for LDP.
- D. Both PE-1 and PE-2 advertise their loopback IP address with OSPF and with LDP.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 11**

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.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:



#### **QUESTION 12**

Table of Acronyms


Real 24

HP HP0-Y51 Exam



 <https://ondemand.questionmark.com/delivery/perce...> 

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 Close

Refer to the exhibit.

```
#Device1 partial running-config
```

```
evi site-id 1
interface GigabitEthernet1/0/1
  port access vlan 101
  evi enable
interface vlan-interface101
  ip address 10.0.0.2 255.255.255.0
interface tunnel 1
  source 10.0.0.2
  evi network-id 1
  evi neighbor-discovery server enable
  evi neighbor-discovery client enable 10.0.2.2
```

```
#Device2 partial running-config
```

```
evi site-id 2
interface GigabitEthernet1/0/1
  port access vlan 102
  evi enable
interface vlan-interface102
  ip address 10.0.2.2 255.255.255.0
interface tunnel 1
  source 10.0.2.2
  evi network-id 2
  evi neighbor-discovery server enable
  evi neighbor-discovery client enable 10.0.0.2
```

```
#Device3 partial running-config
```

```
evi site-id 3
interface GigabitEthernet1/0/1
  port access vlan 103
  evi enable
interface vlan-interface103
  ip address 10.0.3.2 255.255.255.0
interface tunnel 1
  source 10.0.3.2
  evi network-id 3
  evi neighbor-discovery client enable 10.0.0.2
  evi neighbor-discovery client enable 10.0.2.2
```

A company has three data centers, each with a connection to a service provider network. The administrator has configured the settings shown in the exhibit, but the EVI links are not coming up. What should the administrator do to correct the problem?

Real 25  
HP HP0-Y51 Exam

- A. Change the EVI site ID on each device to match.
- B. Add destination IP addresses to the tunnel interfaces.
- C. Enable 1S-1S on the VLAN interfaces that connect to the service provider.
- D. Change the EVI network ID on each device to match.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 13

Table of Acronyms

An administrator is setting up an EVI solution on four HP Comware switches. The switches reach each other on these IP address:

- Switch1= 10.1.1.1
- Switch2= 10.2.2.2
- Switch3= 10.3.3.3
- Switch4= 10.4.4.4

The administrator wants to make Switch1 and Switch2 potential EVI Network Discovery Protocol (ENDP) servers. What is the proper configuration on the Switch1 EVI tunnel interface?

- A. evi neighbor-discovery serverenable  
evi neighbor-discovery client enable 10.1.1.1
- B. evi neighbor-discovery server enable  
evi neighbor-discovery client enable 10.2.2.2
- C. evi neighbor-discovery client enable 10.3.3.3  
evi neighbor-discovery client enable 10.4.4.4
- D. evi neighbor-discovery client enable 10.3.3.3  
evi neighbor-discovery client enable 10.4.4.4



**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:<http://www8.hp.com/h20195/v2/getpdf.aspx/c04311472.pdf?ver=1.0>(page 4)

#### **QUESTION 14**

Which OpenFlow use case is an example of Network Functions Virtualization (NFV)?

- A. Use OpenFlow to deploy configurations using IMC VAN SDN Manager.  
Real 26  
HP HP0-Y51 Exam
- B. Use OpenFlow to implement a router on an open-vswitch.
- C. Use OpenFlow to replace the need of an snmp-agent on the switch.
- D. Use OpenFlow to implement traffic prioritization on the edge.

**Correct Answer:** C

**Section:** (none)


**Explanation**

**Explanation/Reference:**


answer is corrected.

#### **QUESTION 15**

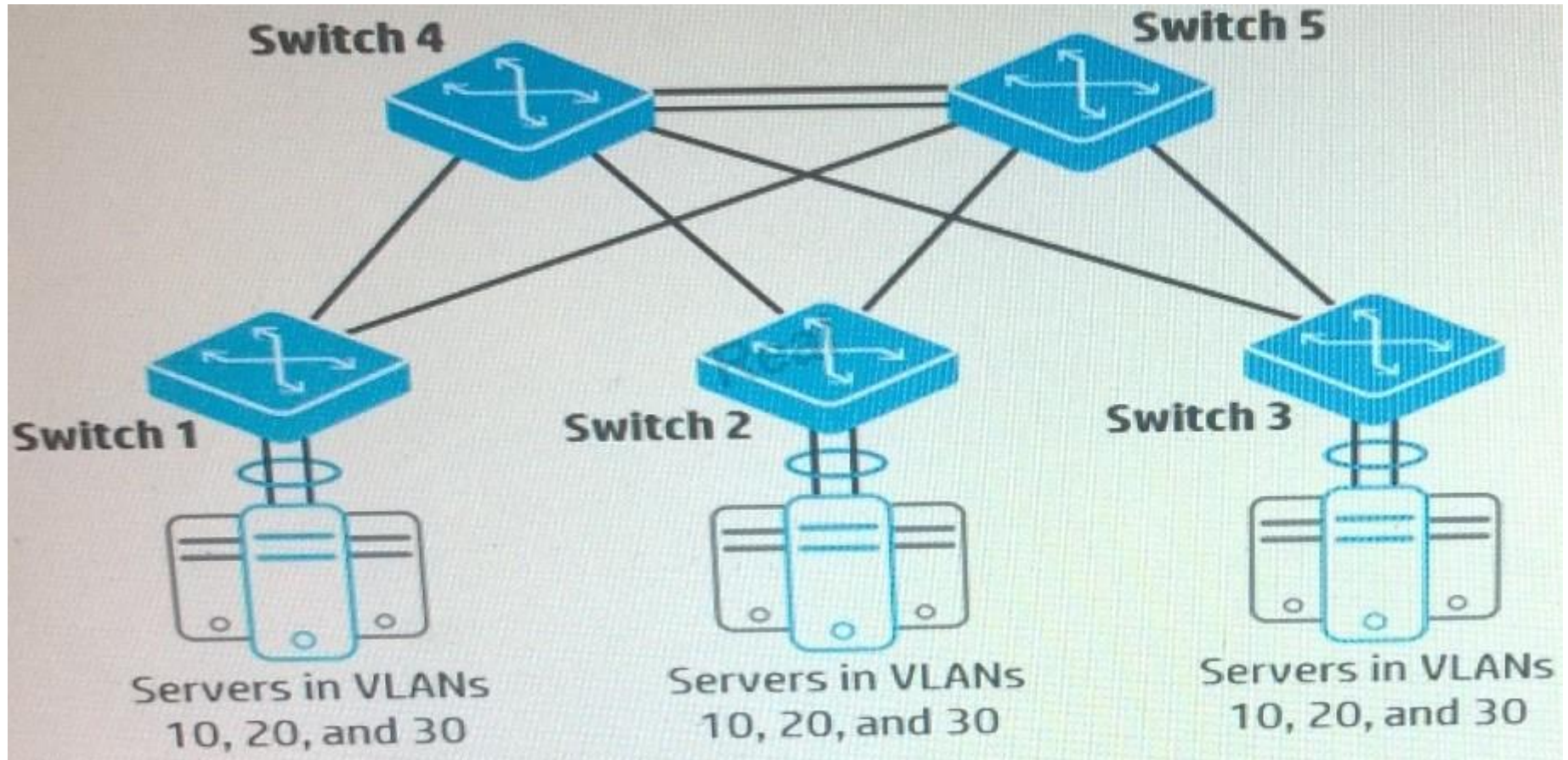
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 Close

Refer to the exhibit.



The switches shown in the exhibit form a TRILL region. What helps to load balance traffic across

Real 27  
HP HP0-Y51 Exam  
the links between these switches?

- A. The TRILL cost for each link is the same, and TRILL Equal Cost Multi-Path (ECMP) is enabled.
- B. VLANs 10, 20, and 30 are mapped to different spanning tree instances.
- C. The switch-to-switch links are configured to permit at least two VLANs.
- D. Switch 4 and Switch 5 are assigned the same Designated RBridge (DRB) priority.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 16**

How does the HP Optimizer SDN Application -Microsoft Lync enhance QoS for Microsoft Lync?

- A. The application registers as a packet listener for all IP packets in the HP VAN SDN Controller. It creates reactive flows for all user traffic, including prioritized ones for UC&C traffic.
- B. The application pre-provisions several flows on all HP switches, which redirect all IP traffic to the HP VAN SDN Controller. Each TCP session is then assigned the correct priority before it can be established.
- C. The application receives RESTful API calls from a plug-in to Lync. It uses information obtained to create proactive prioritized flows for UC & traffic.
- D. The application registers as a packet listener for TCP 5060 in the HP VAN SDN Controller. It uses packets received to create reactive prioritized flows for UC & C traffic.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 17**

A company has three HP VAN SDN Controllers, which will be deployed in a team. The administrator is deciding whether to create one region or three regions. What is a benefit of creating three regions rather than one region?

- A. The team can load balance the team leader role, increasing the total number of RESTful API and Java API calls that the solution can handle.
  - B. The team can provide high availability for SDN application functions rather than only for the OpenFlow controller functions rather than only for the OpenFlow controller functions.
  - C. The team can load balance the Master OpenFlow controller role, increasing the total number of packetin messages per second that the solution can handle.
  - D. The team can provide high availability for all the OpenFlow controller functions rather than only Real 28
- HP HP0-Y51 Exam  
for the SDN application functions.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 18**

Refer to the exhibit.

```
zoneset name zoneset1
  member 1
  member 2
  active
zoneset name zoneset2
  member 3
  member 4

zone name 1
  member zone-alias pwwN1
  member zone-alias pwwN2
  member zone-alias pwwN3
  member zone-alias pwwN4

zone name 2
  member zone-alias pwwN5
  member zone-alias pwwN6
  member zone-alias pwwN7

zone name 3
  member zone-alias pwwN8
  member zone-alias pwwN9
  member zone-alias pwwN10

zone name 4
  member zone-alias pwwN11
  member zone-alias pwwN12
  member zone-alias pwwN13
```

The exhibit shows the Fibre Channel (FQ zones that are members of zonesets on an HP Comware switch. How does this zoning affect the FC fabric



operation?

- A. Host bus adapter (HBA) pWWNs in zoneset 1 belong to VSAN 1, which is currently active. HBA Real 29 HP HP0-Y51 Exam pWWNs in zoneset 2 belong to VSAN 2, which is inactive
- B. Server pWvVNs in zone 1 can discover targets pWWNs in zone 2. Server pWWNs in zone 3 can discover target pWWNs in zone 4.
- C. A sender pWWN in zone 1 can discover target pWWNs in zone 1. A server pWWN in zone 2 can discover target pWWNs in zone 2.
- D. The switch matches a host bus adapter (HBA) pWWN to entries in zone 1 to determine whether an HBA can connect to a port. If it does not find a match, it checks zone 2.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 19**

An HP Virtual Cloud Networking (VCN) SDN Application runs on an HP VAN SDN Controller. How does VCN help to provision networking for virtualized services in a cloud solution?

- A. By using northbound RESTful APIs to receive information from servers and switches acting as Network Functions Virtualization (NFV)-complaint routers
- B. By using northbound Java APIs to integrate with and configure Ethernet Virtual Bridging (EVB) applications
- C. By using southbound OpenStack Layer 2 Agent APIs to set up the correct VLANs on virtual switches, as well as tunnels between virtual switches
- D. By using southbound RADIUS APIs to provision dynamic VLANs on data center switches, basing those VLANs on the customer identity

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

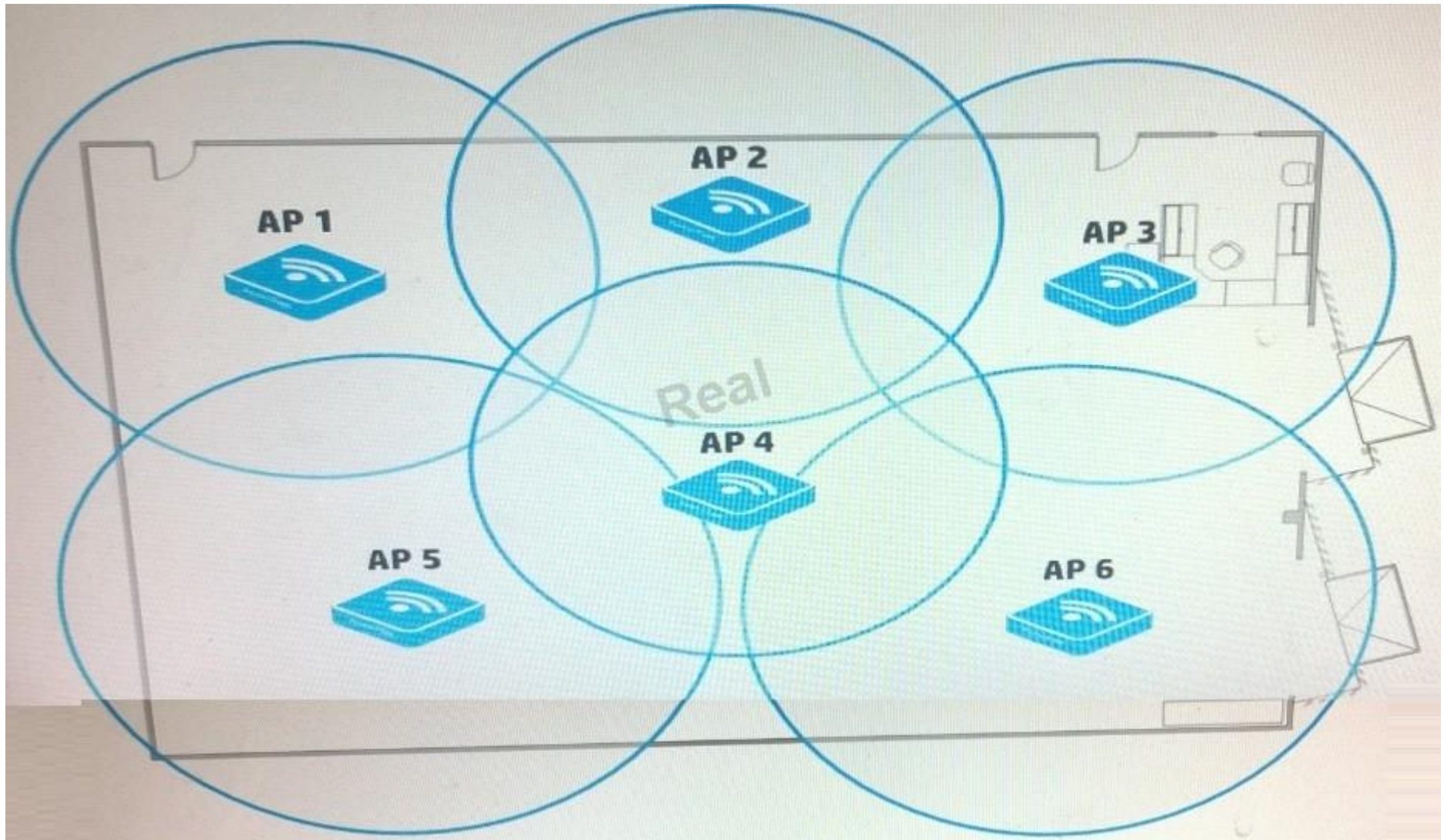
Explanation:

#### **QUESTION 20**

Refer to the exhibit.

Real 30

HP HP0-Y51 Exam



A company has many dual-radio APs that are deployed relatively closely together. They are controlled by an HP Unified Wired-Wireless controller. The administrator wants to implement load balancing among the radios on different APs.

How should the administrator implement load balancing?

A. Implement group-based load balancing by adding radios on different APs to the group.



- B. Implement radio-based load balancing by adding APs to the radio templates.
- C. Implement AP-based load balancing on the individual APs.
- D. Implement AP-based load balancing on the radios of the individual APs.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 21**

A company is adding an HP BYOD solution. User Access Manager (UAM) should provide the portal in which guests register their own accounts. Guests should only have to register and log in once. After that, the guest device automatically logs in by MAC address.

UAM has these settings:

- User account BYODAnonymous = Assigned to Access service 1
- Guest access service = Access service 2
- Access service 1: Default access policy = Access policy 1
- Access policy 1: No certificate authentication and User VLAN 8

Real 31

HP HP0-Y51 Exam

- Access service 2. Default access policy = Access policy 2
- Access policy 2: No certificate authentication and User VLAN 88

How should the administrator configure portal authentication (HTTP redirection)?

- A. Set up portal authentication to UAM in the Unified Wired-Wireless controller VLAN 88 settings
- B. Set up portal authentication to UAM in the Unified Wired-Wireless controller Guest SSID settings.
- C. Set up portal authentication on the default gateway for VLAN 88.
- D. Set up portal authentication to UAM on the default gateway for VLAN 8.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 22**

When should an administrator enable hybrid mode on an HP VAN SDN Controller?

- A. When the controller must manage HP Provision switches that use virtualization mode to enable OpenFlow on some VLANs but not on others
- B. When the controller must manage HP Provision switches that operate in passive mode
- C. When the controller must manage Mininet switches in a developer environment and HP switches in a production environment
- D. When the controller must manage OpenFlow-enabled switches that support both OpenFlow 1.0 and 1.3

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <http://h20564.www2.hp.com/hpsc/doc/public/display?docId=c04383845>(page 73)

### QUESTION 23

A company has a Unified Wired-Wireless controller solution, which uses its local portal to authenticate guests.

The company is adding an HP BYOD solution with these requirements:

- The User Access Manager (UAM) server with IP address 10.1 3.4 should provide the portal in which guests register own accounts
- Guests should only have to register and log in once. After that, the guest device automatically logs in by MAC address

Real 32

HP HP0-Y51 Exam

The administrator removes the local portal settings and begins to reconfigure the solution. What is one change that the administrator must take to the settings for the Guest SSID?

- A. Apply an ACL that redirects HTTP traffic to 10.1.3.4.
- B. Configure the associated WLAN-ESS interface as a hybrid port and enable MAC-based VLANs.
- C. Create a domain that specifies 10.1.3.4 as the RADIUS server and define that as the portal domain.
- D. Set up a remote portal server that specifies the UAM IP address and portal URL.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 24

HP Unified Wired-Wireless controllers support wireless Intrusion Detection System (IDS)/intrusion prevention system (IPS) features. An HP AP radio is

configured to participate in this solution in hybrid mode. Which functions can the hybrid mode radio fulfill?

- A. Can support wireless clients and scan wireless traffic.
- B. It can support wireless clients, scan wireless traffic, and implement countermeasures
- C. It can implement countermeasures and scan wireless traffic.
- D. It can scan wireless traffic and wired traffic.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

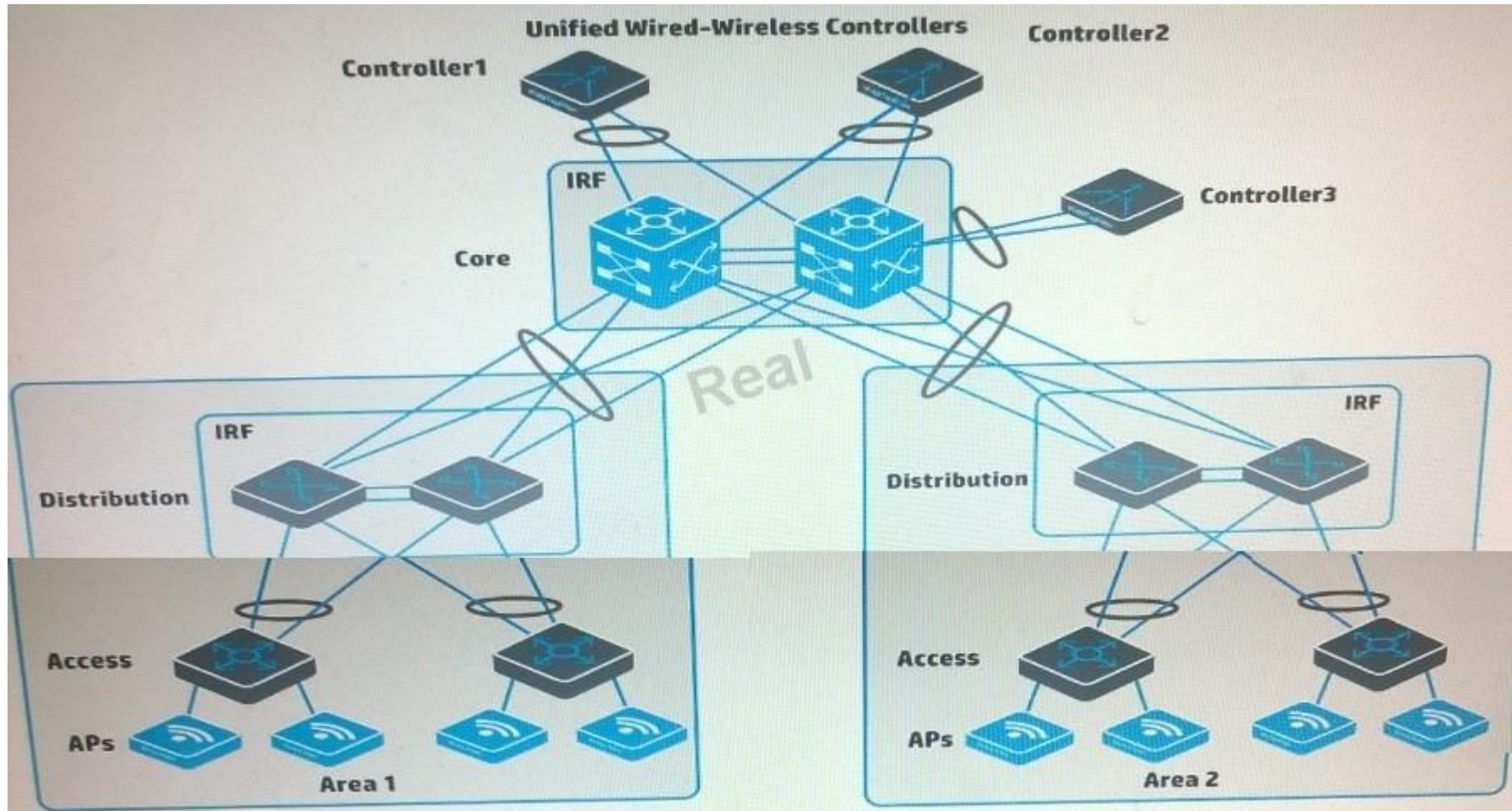
Explanation:

**QUESTION 25**

Refer to the exhibit.

Real 33

HP HP0-Y51 Exam



A company has two HP Unified Wired-Wireless controllers. The MSM APs in Area 1 in the exhibit are controlled by Controller1. The MSM APs in Area 2 in the exhibit are controlled by Controller2. The company purchases a Controller3 to provide backup for both Controller1 and Controller2 (N+1 redundancy).

How does the administrator set up the APs in Area 1 so that they contact Controller3 if Controller1 fails?

- Create a roam group that includes Controller1, Controller3, and Controller2. Make sure that Controller3 has the highest IP address
- Create AP templates for the area 1 APs on Controller3 and set its connection priority for these APs to 7.
- Create a backup AC configuration group between Controller1 and Controller3. Enable Fast Backup on the group.

D. On Controller1, configure the new controller's IP address as the backup controller for the APs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 26**

A company has an HP BYOD solution with these requirements:

- Employees can connect their own devices to an Employees SSID, which enforces 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

Real 34

HP HP0-Y51 Exam

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

**Correct Answer:** B

**Section:** (none)

**Explanation**


**Explanation/Reference:**

Explanation:


#### **QUESTION 27**

Table of Acronyms



<https://ondemand.questionmark.com/delivery/perc...> 

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

 Close

A company has a data center that hosts multiple tenants. The company is adding a second and third data center switch.

These are the IRF connections:

- IRF 1 is the core of the first data center.
- IRF 2 is the core of the second data center.
- IRF 3 is the core of the third data center
- The three data centers are fully interconnected with dark fiber.
- IRF 1, IRF 2, and IRF 3 have connections to a WAN and to the Internet.

Real 35

HP HP0-Y51 Exam

Which option for the connections between the data centers provides the best resiliency and stability?

- A. SPBM configured across IRF 1, IRF 2, and IRF 3
- B. MSTP running on the links
- C. IRF 1, IRF 2, and IRF 3 combined into a single IRF virtual device

D. A link aggregation that consists of all of the links

**Correct Answer:** A

**Section:** (none)

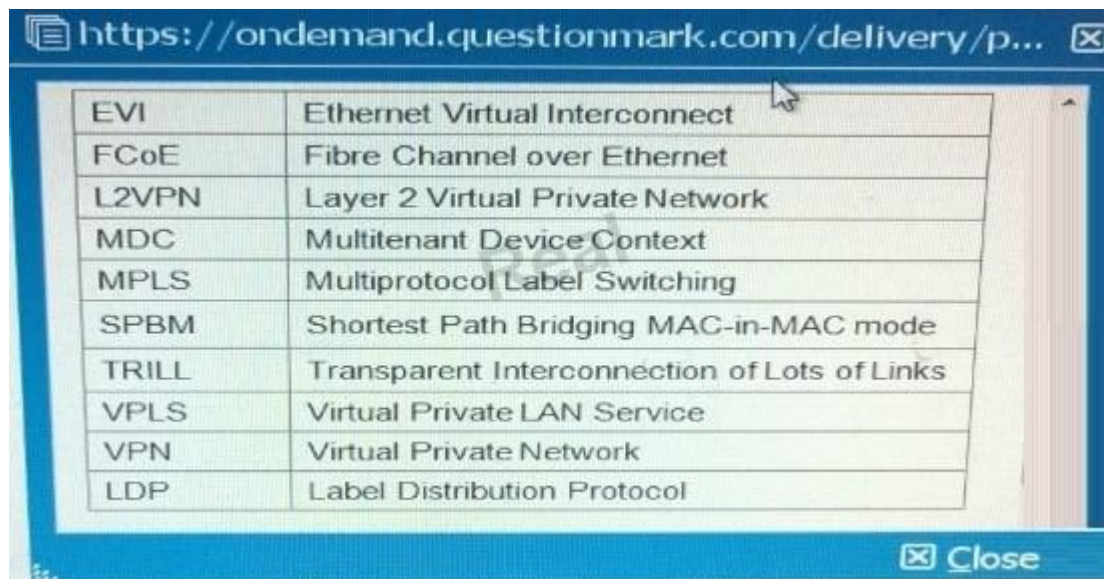
**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 28

Table of Acronyms



The screenshot shows a web browser window with the URL <https://ondemand.questionmark.com/delivery/p...>. The browser displays a table with two columns: the acronym and the full name of the technology. The table is titled 'Table of Acronyms' and includes a 'Close' button at the bottom right.

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

A company is using Multi-CE (MCE) to create a multi-tenant data center solution. Administrators want to isolate all functions in a VPN instance "Management". Each switch has an IP address in 10.0.2.0/24 on its Management Ethernet port, and HP IMC manages the switch on these IP addresses. Administrators assign the Management Ethernet interfaces to the "Management" VPN instance. IMC begins losing data from the switches.

How should administrators fix the problem on each switch?

- A. Set VPN instance "Management" as the default VPN instance.
- B. Specify VPN instance "Management" for settings such as the SNMP trap destination
- C. Create a static route to 10.0.2.0/24 through next hop "vpn-instance Management".
- D. Enable route leaking globally and on VPN instance "Management".



Real 36  
HP HP0-Y51 Exam

**Correct Answer:** D

**Section:** (none)

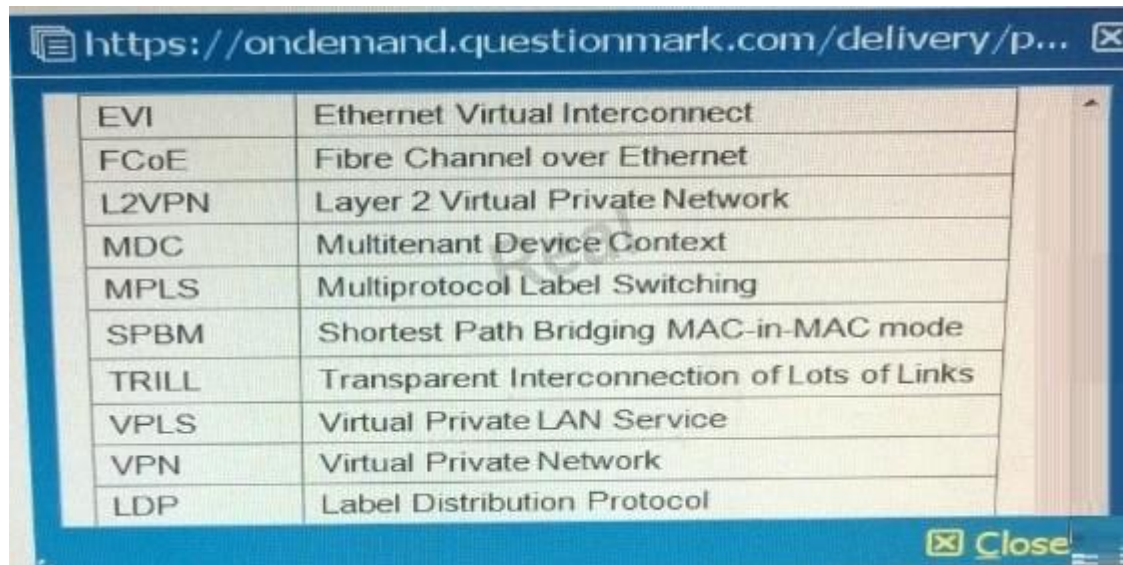
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 29**

Table of Acronyms



The screenshot shows a web browser window with the URL <https://ondemand.questionmark.com/delivery/p...>. The browser displays a table with two columns: the acronym and the full name of the technology. The table is as follows:

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

At the bottom right of the table, there is a 'Close' button.

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

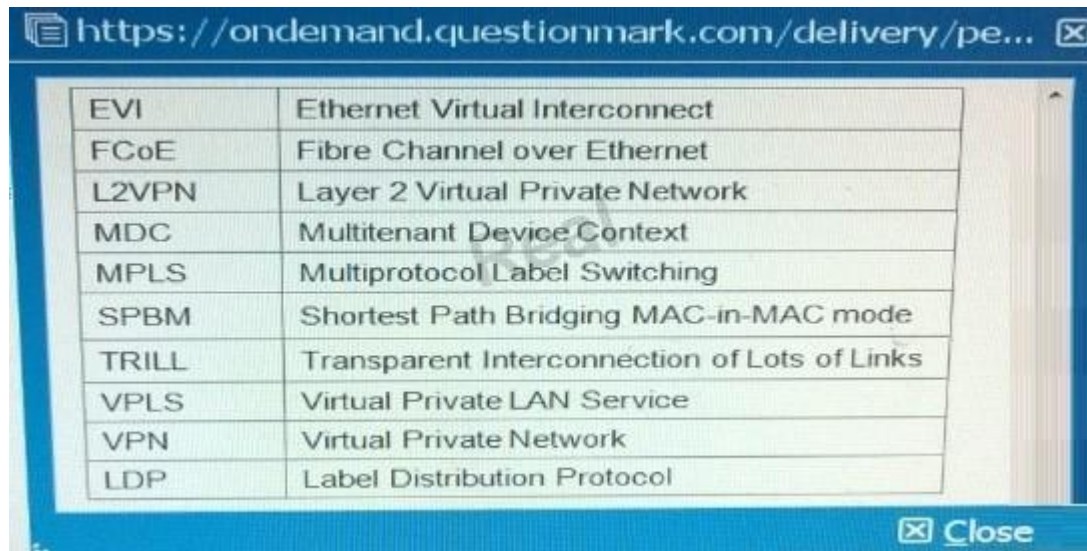
Explanation:

**QUESTION 30**

Table of Acronyms

Real 37

HP HP0-Y51 Exam



The screenshot shows a web browser window with the address bar displaying <https://ondemand.questionmark.com/delivery/pe...>. The main content area displays a table with two columns: the acronym and its full name. The table is as follows:

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

At the bottom right of the table, there is a 'Close' button.

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 31**

A company is considering TRILL and SPBM as options for the data center architecture. The company is interested in how the solution handles load-balancing unicast traffic. What correctly describes the TRILL and SPBM options?

- A. TRILL can use Equal Cost Multi-Path (ECMP). SPBM selects one best path to each SPBM switch in each B-VLAN, but can select different paths for different B-VLANs
  - B. SPBM can use Equal Cost Multi-Path (ECMP). TRILL does not support ECMP for unicasts, but can load-balance multicast, depending on the tree configuration.
  - C. Neither SPBM nor TRILL can use Equal Cost Multi-Path (ECMP). Both technologies can send traffic for different VLAN VLANs or I-SIDs on different links.
  - D. Both SPBM and TRILL can use Equal Cost Multi-Path (ECMP) to load-balance unicasts.
- Real 38  
HP HP0-Y51 Exam  
provided that ECMP is enable at hardware level.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 32**

An administrator has set up an HP BYOD solution for an HP MSM760 controller and its APs.

These are the specifications:

- Guests should only have to register and log in once After that, the guest device should be automatically logged in.
- User Access Manager (UAM) provides the portal in which guests register their own accounts.
- The MSM760 is connected to a Comware switch, which redirects unregistered guests to the UAM portal.

Currently guests can reach the portal, register for their accounts, and log in. However, guests report that they cannot reach the Internet after they log in. When the administrator asks the guests to disconnect from the wireless network and then connect again, they succeed in reaching the Internet.

What could fix this problem?

- A. In the Comware switch settings, add the guest router to the free rule list
- B. In the DHCP scope for the onboardmg VLAN, lower the lease time to about 10 seconds.

- C. Configure SOAP settings for the MSM controller on UAM.
- D. Configure the Comware switch to accept dynamic authorization updates from UAM.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 33

A Company has APs that are deployed relatively close together. These APs are controlled by an HP Unified Wired-Wireless controller. Which setting helps to prevent the APs from interfering with each other while also letting the APs extend their coverage area if one of the AP fails?

- A. Channel reuse
- B. Dynamic frequency selection (DFS)  
Real 39  
HP HP0-Y51 Exam
- C. Transmit power control (TPC)
- D. Fair scheduling

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 34

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 35**

An HP Unified Wired-Wireless controller controls an AP. The AP implements centralized forwarding. It supports 802.11n clients that implement Wi-Fi Multimedia (WMM) or 802.11 e. Some of the clients are sending traffic in high priority WMM queues.

How does the AP help to ensure that this traffic is prioritized in the wired LAN?

- A. It maps 802.11 values from wireless traffic to DiffServ Code Points (DSCP) in packets tunneled to the controller.
- B. It implements 802.11n fair scheduling on the port that connects to the switch.
- C. It maps 802.1p values from wireless traffic to 802.11 e values in packets forwarded into the LAN.
- D. It implements Spectralink and uses Spectralink-to-WMM compliance mode.

Real 40

HP HP0-Y51 Exam

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 36**

Table of acronyms

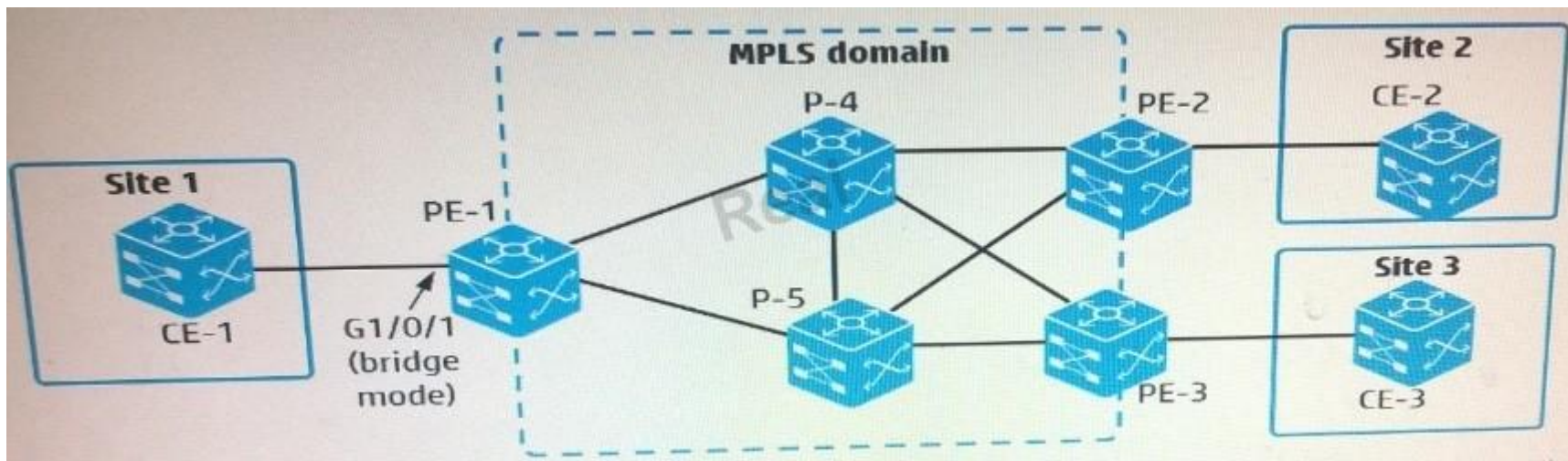


https://ondemand.questionmark.com/delivery/pe... [X]

EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
L2VPN	Layer 2 Virtual Private Network
MDC	Multitenant Device Context
MPLS	Multiprotocol Label Switching
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TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

[X] Close

Refer to the exhibit.



An administrator is setting up an MPLS and L2VPN virtual circuit (VC) between customer Site 1 and Site 2. The administrator is creating a global cross-connect group, which uses LDP signaling, on PE-1. Which two elements are required to do this?

- A. An AC connection (specifies a service instance on g1/0/1) and a peer (PE-2)

- B. A peer (PE-2) and a VPN instance (associated with g1/0/1)
- C. A peer (PE-2) and a VLAN ID (access VLAN or. g1/0/1)
- D. An AC connection (specifies a service instance on g1/0/1) and a VPN instance (associated with g1/0/1)

Real 41

HP HP0-Y51 Exam

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 37

Table of Acronyms

<https://ondemand.questionmark.com/delivery/per...>

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

Close

Refer to the exhibit.



```
<Router1> display ip routing-table vpn-instance SharedServices
Routing Tables: SharedServices
Destinations : 6          Routes : 6
```

Destination/Mask	Proto	Pre	Cost	NextHop	Interface
10.0.1.1/32	Direct	0	0	127.0.0.1	InLoop0
10.0.1.0/30	Direct	0	0	10.0.0.2	RAGG 3
10.0.5.0/24	OSPF	10	20	10.0.1.2	RAGG 3
10.255.0.1/32	Direct	0	0	127.0.0.1	InLoop0
10.255.0.2/32	OSPF	10	10	10.0.0.2	RAGG 1
127.0.0.0/8	Direct	0	0	127.0.0.1	InLoop0
127.0.0.1/32	Direct	0	0	127.0.0.1	InLoop0

```
<Router1> display ip routing-table vpn-instance TenantA
Routing Tables: TenantA
Destinations : 8          Routes : 8
```

Destination/Mask	Proto	Pre	Cost	NextHop	Interface
10.1.1.1/32	Direct	0	0	127.0.0.1	InLoop0
10.1.1.0/30	Direct	0	0	10.1.1.1	RAGG 10
10.1.10.0/24	OSPF	10	20	10.1.1.2	RAGG 10
10.1.20.0/24	OSPF	10	20	10.1.1.2	RAGG 10
10.255.1.1/32	Direct	0	0	127.0.0.1	InLoop0
10.255.1.2/32	OSPF	10	10	10.0.0.2	RAGG 10
127.0.0.0/8	Direct	0	0	127.0.0.1	InLoop0
127.0.0.1/32	Direct	0	0	127.0.0.1	InLoop0

```
<Router1> display ip routing-table vpn-instance TenantB
Routing Tables: TenantA
Destinations : 8          Routes : 8
```

Destination/Mask	Proto	Pre	Cost	NextHop	Interface
10.2.1.1/32	Direct	0	0	127.0.0.1	InLoop0
10.2.1.0/30	Direct	0	0	10.2.1.1	RAGG 11
10.1.10.0/24	OSPF	10	20	10.2.1.2	RAGG 11
10.1.11.0/24	OSPF	10	20	10.2.1.2	RAGG 11
10.255.2.1/32	Direct	0	0	127.0.0.1	InLoop0
10.255.2.2/32	OSPF	10	10	10.0.0.2	RAGG 11
127.0.0.0/8	Direct	0	0	127.0.0.1	InLoop0
127.0.0.1/32	Direct	0	0	127.0.0.1	InLoop0

Real 42

HP HP0-Y51 Exam

An administrator wants to route all external traffic from VPN instances "TenantA" and "TenantB" to a firewall at 10.0.5.5 instance "SharedServices". In addition to setting up the routes between the instances, what is another requirement for this scenario?

- A. A router must implement Network Address Translation (NAT) to translate overlapping tenant network addresses.
- B. Route leaking must be enabled globally on Router1, as well as on each of the VPN instances.
- C. The RAGG 3 interface must be added to VPN instances "TenantA" and "TenantB".
- D. Route leaking must be enabled globally on Router1.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 38**

An HP VAN SDN Controller runs the HP Network Protector SDN Application. The application has programmed an HP Switch with flows that output the service insertion tunnel. How does the switch forward packets matching these flows to the controller?

- A. Encapsulated in a GRE tunnel
- B. Encapsulated in OpenFlow packets and transmitted over the auxiliary connection
- C. Encapsulated in an IPSec tunnel
- D. Encapsulated in OpenFlow packets and transmitted in the controller VLAN

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 39**

An administrator is customizing an HP BYOD self-registration page. The administrator does not want guests to see the identity number field. Instead the User Access Manager (UAM) server should automatically choose a valid identity number for a guest account when the guest registers.

What are the correct settings for the identity number field in the customized page? (Select three)

- A. Required

- B. Fixed
- C. Not required
- D. Invisible
- E. Random
- Real 43
- HP HP0-Y51 Exam
- F. Visible

**Correct Answer:** AEF

**Section:** (none)

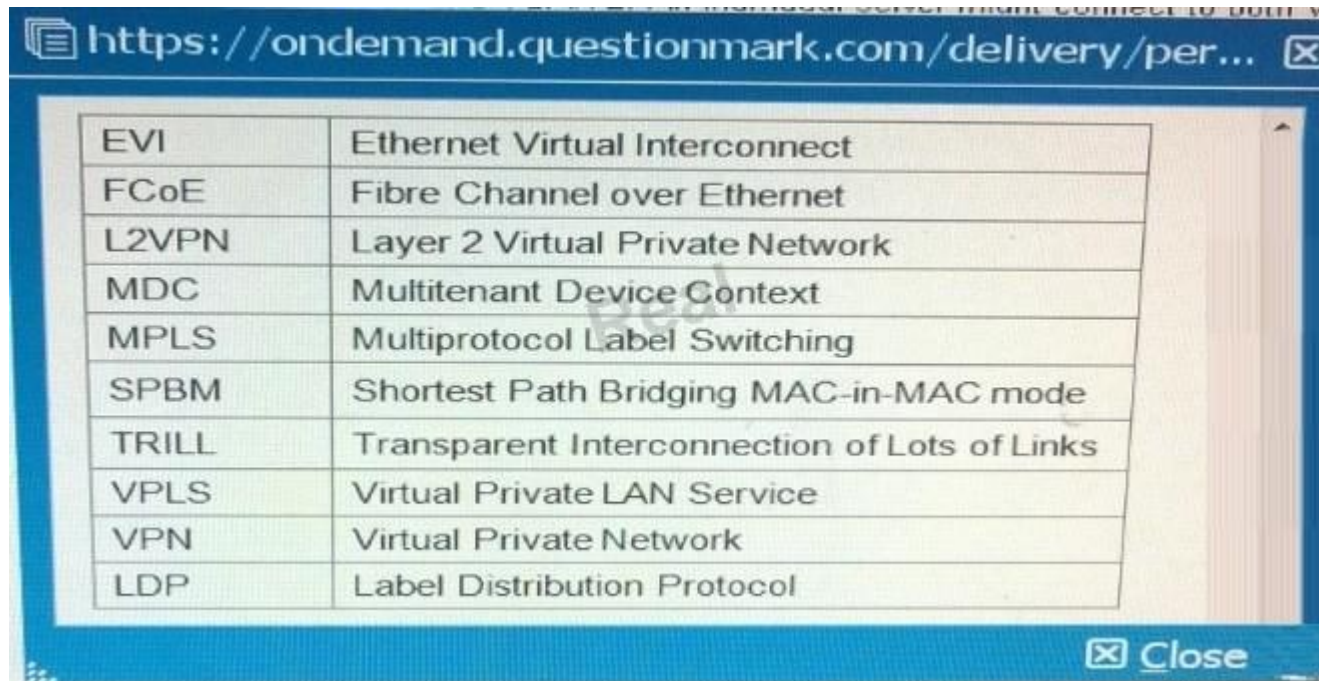
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 40**

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol



An administrator has configured an HP Comware IRF virtual device to support FCoE in Fibre Channel Forwarder (FCF) mode. The IRF device supports VLAN 1, 10, 20, and 30.

The device requires two virtual SANs (VSANs), VSAN 1 and VSAN 2. An individual server might connect to for binding the VSANs. What is valid configuration to VLANs?

- A. VSAN 1 and VSAN 2 to VLAN 10
- B. VSAN 1 and VSAN 2 to VLAN 1; VSAN 1 to VLAN 10; VSAN 2 to VLAN 20
- C. VSAN 1 and VSAN 2 to VLAN 10; VSAN 1 and VSAN 2 to VLAN 20
- D. VSAN 1 to VLAN 10; VSAN 2 to VLAN 20

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

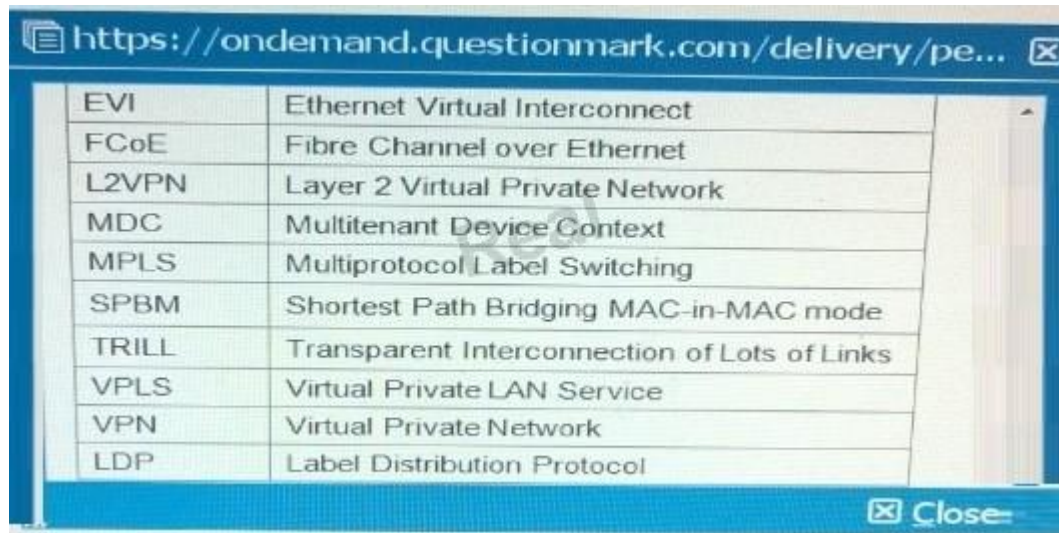
Explanation:

#### QUESTION 41

Table of Acronyms

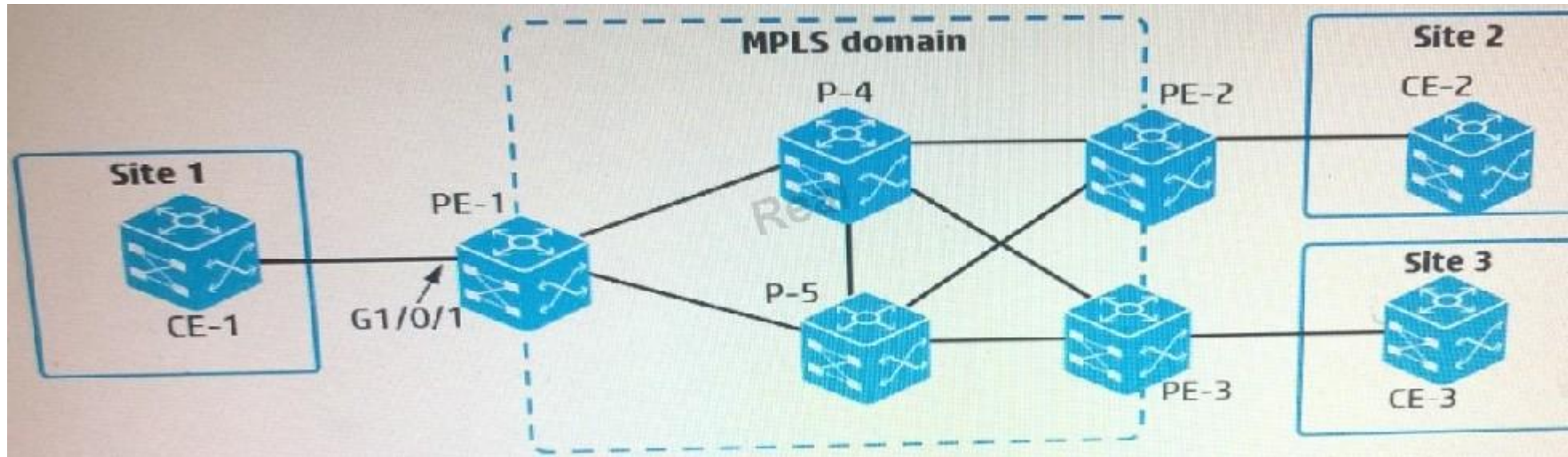
Real 44

HP HP0-Y51 Exam



EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
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MDC	Multitenant Device Context
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TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

Refer to the exhibit.



An administrator is setting up MPLS Layer 2 VPN connections between several customer sites:

- Connection 1 = Customer site 1 to customer site 2
- Connection 2=Customer site 1 to customer site 3

On PE-1, interface GigabitEthernet1/0/1 connects to CE-1 at site 1. Which setup establishes the desired connections?

- A. CE-1 connects to CE-2 in one VLAN, which it assigns to VPN instance 1. It connects to CE-3 in a different VLAN, which it assigns to VPN instance 2. PE-1 instant places G1/0/1 in both VPN instances 1 and 2 and associates each VPN instance with a PW for one of the connections.
- B. CE-1 connects to CE-2 in one VLAN and to CE-3 in a different VLAN. PE-1 has two services instances on G1/D/1. One instance encapsulates one VLAN ID and has PW to PE-2, and the other instance encapsulates the other VLAN and has a PW to PE-3
- C. PE-1 has two policy-based routing (PBR) policies, each of which selects traffic destined to Site 2 or Site 3. The appropriate policy is applied to the PW for each connection
- D. CE-1 implements MPLS. It establishes two PWs with PE-1, one for its connection to CE-2 and one for its connection to CE-3. PE-1 maps the out label for the first PW to the in label for a PW to PE-2. It maps the labels similarly for a PW to PE-3.

Real 45

HP HP0-Y51 Exam

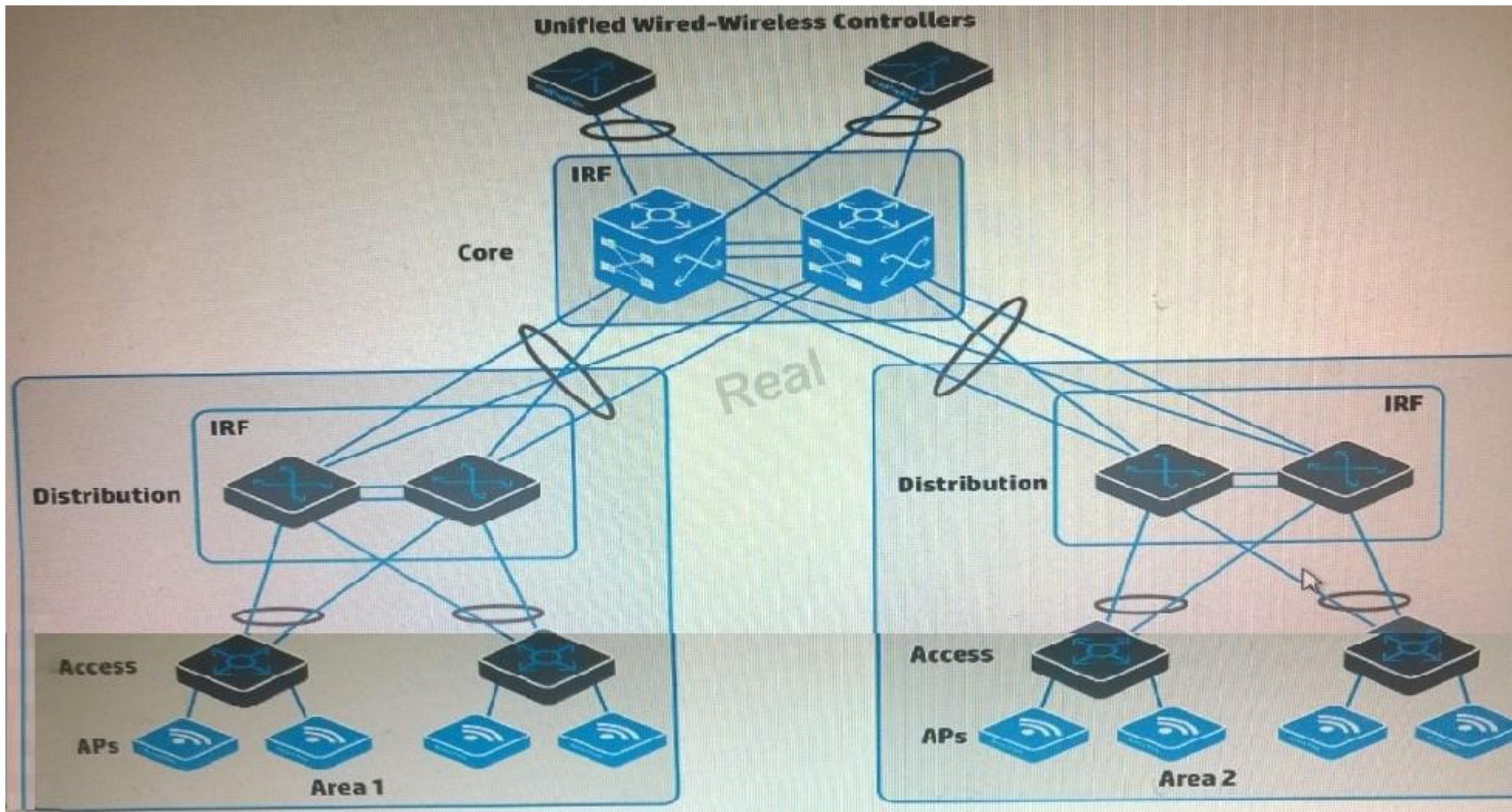
**Correct Answer: A**



**Section: (none)**  
**Explanation**

**Explanation/Reference:**  
Real 46

**QUESTION 42**  
Refer to the exhibit.



A company has HP APs that are managed by the two Unified Wired-Wireless controllers. Wireless users use Wi-Fi Protected access (WPA2) and authenticate with 802.1X to HP Access Manager (UAM). The SSID uses centralized forwarding. Users need to be able to roam seamlessly from area 1 to area 2.

Which step helps to meet these needs?

A. Configure local forwarding for the SSID on both controllers.

- B. Configure controller 1 as a backup controller for APs in area; configure controller 2 as a backup controller for APs in area1.
- C. Change the security mode to preshared key (PSK) and enable opportunistic key change (also called "fast roaming").
- D. Set up enable a roam that includes both controllers.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 43

An administrator sets up an OpenFlow instance on an HP Provision switch in passive mode.

What does this mean?

Real 2

HP HP0-Y51 Exam

- A. The switch first attempts to switch or route traffic using its own MAC forwarding and routing tables. If it does not know how to treat the traffic, it uses the OpenFlow table.
- B. The switch does not associate this OpenFlow instance with a specific VLAN Instead VLANs that are not assigned to another OpenFlow instance are associated with this instance.
- C. The switch matches all traffic in the instance against an OpenFlow table, but, if it finds no match, it forwards the traffic normally
- D. The switch does not forward any traffic in the instance locally. Instead, it encapsulates all traffic in OpenFlow Packeket\_Out messages to the controller.

**Correct Answer:** B

**Section:** (none)

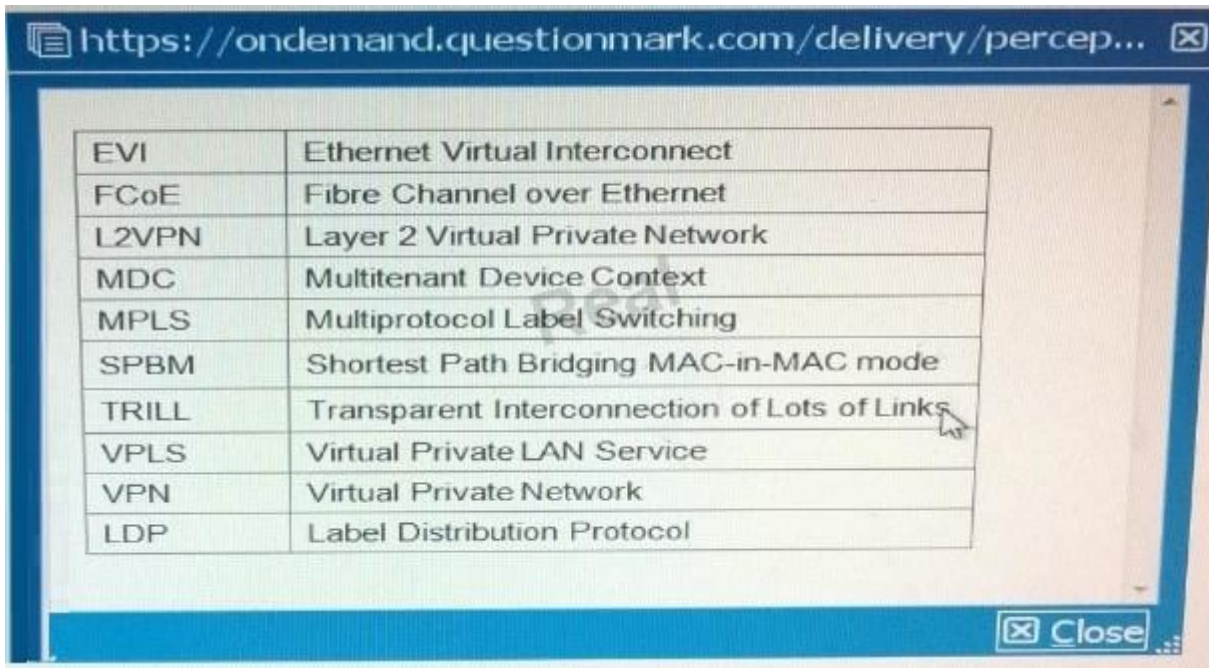
**Explanation**

**Explanation/Reference:**

Explanation:

### QUESTION 44

Table of Acronyms



The screenshot shows a web browser window with the address bar displaying <https://ondemand.questionmark.com/delivery/percep...>. The main content area contains a table with two columns: an acronym and its full name. A mouse cursor is pointing at the 'TRILL' row. At the bottom right of the table area is a 'Close' button.

EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
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MDC	Multitenant Device Context
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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.

Real 3

HP HP0-Y51 Exam

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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

#### **QUESTION 45**

A company is deploying an HP Unified Wired-Wireless controller solution with an HP BYOD solution. Guests will connect to an open Guest SSID and be redirected by their default gateway to a portal hosted by User Access Manager (UAM). The default gateway is a Comware routing device.

The administrator has set up portal authentication on the Comware device to implement the redirect. The administrator asks the BYOD solution designer about the correct RADIUS and domain settings for portal authentication on the switch. What should the BYOD solution designer explain to the administrator?

- A. The administrator does not need to make any changes as long as the switch is managed by IMC. UAM will automatically access the managed switch and configure the correct settings.
- B. These settings are not necessary because the UAM BYOD portal automatically handles the authentication and then forces the guest to reconnect the SSID and authenticate with MAC-Auth.
- C. The RADIUS scheme and domain must be configured with the same settings that would be used for traditional portal authentication to UAM. In addition, the RADIUS scheme must use the standard server type.
- D. The RADIUS scheme and domain must be configured with the same settings that would be used for traditional portal authentication to UAM. In addition, the RADIUS scheme must enable transparent MAC authentication.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

answer is well defined.

#### **QUESTION 46**

Real 4

HP HP0-Y51 Exam

Refer to the exhibit.



```
HP3800-1# show openflow instance 1 flows
```

```
Flow 3
```

```
Match
```

```
Incoming Port      : 24
Source IP           : 10.1.10.0/24
```

```
Ethernet Type      : IP
Destination IP      : 10.1.20.0/24
```

```
Attributes
```

```
Priority            : 29999
Hard Timeout        : 0 seconds
Byte Count          : NA
Flow Table ID       : 100
```

```
Duration           : 24300 seconds
Idle Timeout       : 60 seconds
Packet Count       : 10924
Controller ID      : 1
```

```
Hardware Index      : 1
```

```
Instructions
```

```
Apply Actions       : 1
Output
```

```
Flow 4
```

```
Match
```

```
Incoming Port      : 24
Source MAC          : 005056-111111
Source IP           : 10.1.10.10
```

```
Ethernet Type      : IP
Destination MAC     : 005056-222222
Destination IP      : 10.1.20.20
```

```
Attributes
```

```
Priority            : 29999
Hard Timeout        : 0 seconds
Byte Count          : NA
Flow Table ID       : 200
```

```
Duration           : 1230 seconds
Idle Timeout       : 60 seconds
Packet Count       : 0
Controller ID      : 1
```

```
Software Index      : 1
```

```
Instructions
```

```
Apply Actions       : 2
Output
```

An HP provision switch has OpenFlow table entries indicated in the exhibit.

The switch should forward most traffic between 10.1.10.0/24 and 10.1.20.0/24 on port 1. However any IP traffic between server 1, at 005056-111111 and 10.1.10.10, and server 2, at 005056- 222222 and 10.20.20, should be forwarded on port 2.

Which change to the rules let the switch behave as desired?

A. For flow 3, the table ID is set to 200, and the priority is set to 47000

- B. For flow 4, the priority is set to 47000
- C. For flow 4, the table ID is set to 100, and the priority is set to 47000
- D. For flow 3, the instruction is set to Write Actions output 1

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 47**

Table of Acronyms

Exhibit 1

Real 5

HP HP0-Y51 Exam

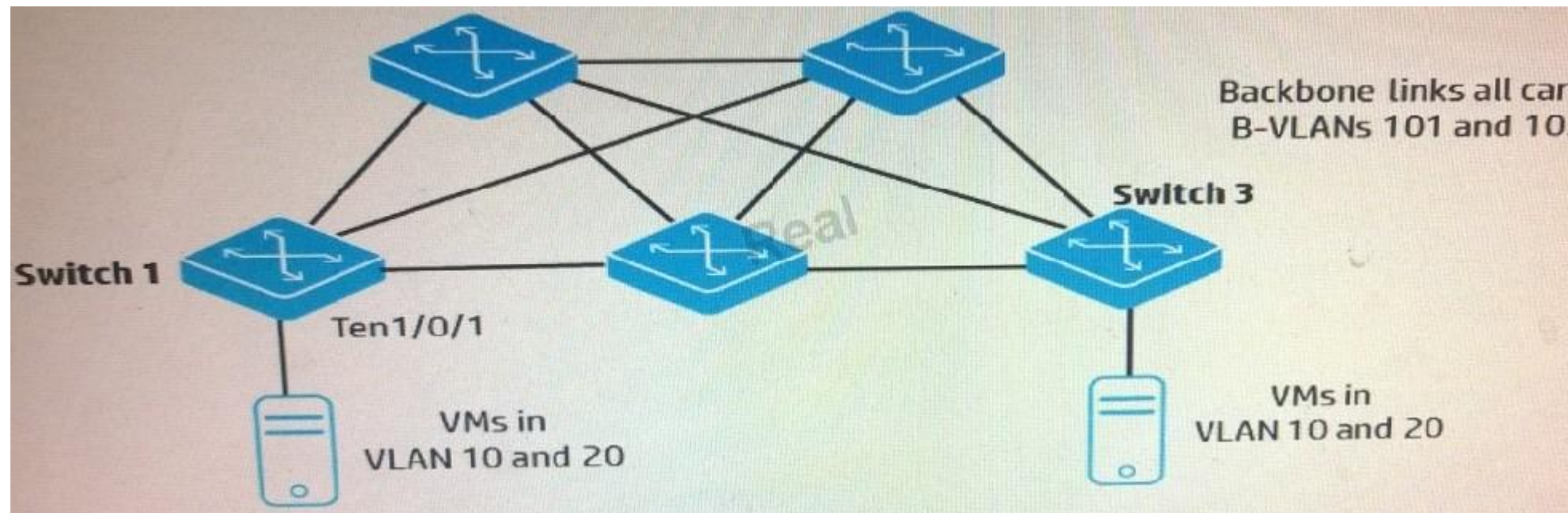


Exhibit 2

```
#Portions of the running-config for switch 1

vsi 10
  spb i-sid 10
  b-vlan 101
#
vsi 20
  spb i-sid 10
  b-vlan 103

interface Ten-GigabitEthernet1/0/1
  port link-mode bridge
  service-instance 1
    encapsulation s-vid 10
    xconnect vsi 10
  service-instance 2
    encapsulation s-vid 20
    xconnect vsi 20
```

The switches shown in the exhibit are implementing SPBM. The administrator is now setting up interface ten1/0/1 to connect to a new VMware host. What is the correct port type and VLAN assignment for the interface?

- A. Trunk port that permits VLANs 101 and 103
- B. Hybrid port that permits VLANs 201 and 203
- C. Trunk port that permits VLANs 10 and 20
- D. Access port that permits the default VLAN

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

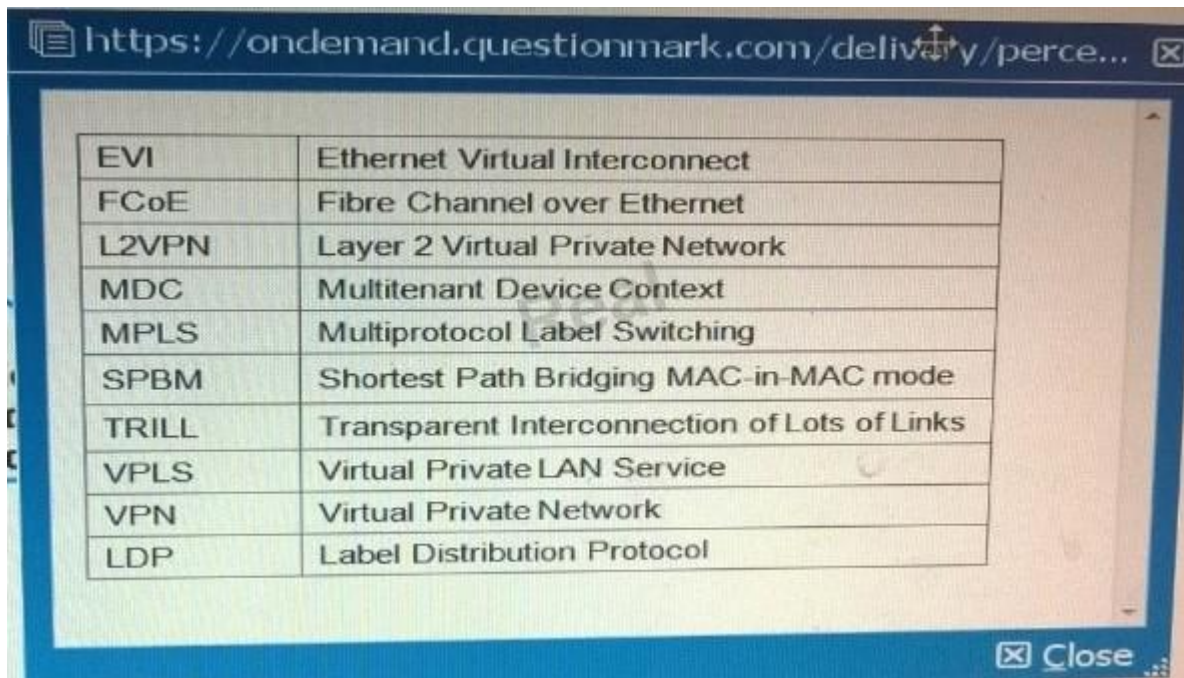
Explanation:

**QUESTION 48**

Table of Acronyms



Real 6  
HP HP0-Y51 Exam

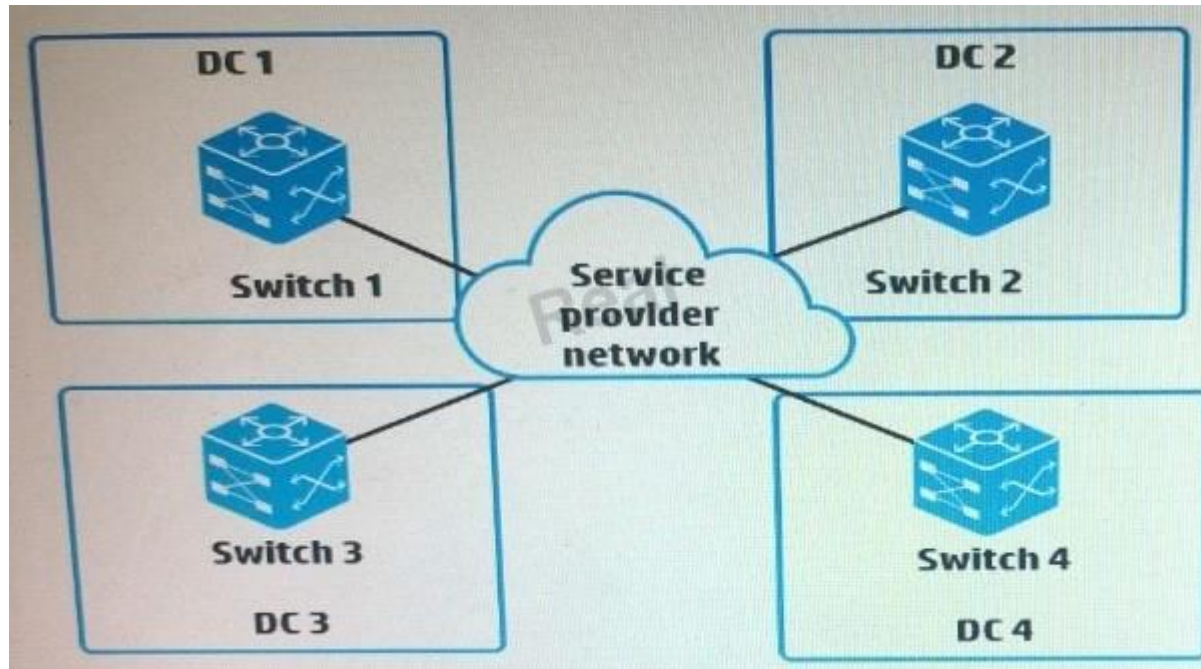


The screenshot shows a web browser window with the address bar displaying <https://ondemand.questionmark.com/delivery/perce...>. The main content area contains a table with two columns: an acronym and its corresponding full name. The table is as follows:

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

A "Close" button is visible in the bottom right corner of the window.

Refer to the exhibit



An administrator wants to connect four data centers using HP EVI. What is the correct setup for the EVI tunnel interfaces?

- A. Three EVI tunnel interfaces on each EVI edge device-one EVI tunnel interface is required for each GRE tunnel in the mesh
- B. One EVI tunnel interface on Switch 1, which will be configured as the ENDP server, and no interfaces on the other switches
- C. Three EVI tunnel interfaces on Switch 1, which will act as the hub, and one EVI tunnel interface each on the other switches
- D. One EVI tunnel interface on each EVI edge device--the devices automatically establish GRE tunnels between these interfaces

Real 7

HP HP0-Y51 Exam

**Correct Answer: C**

**Section: (none)**

**Explanation**


**Explanation/Reference:**

Explanation:


**QUESTION 49**

Table of Acronyms

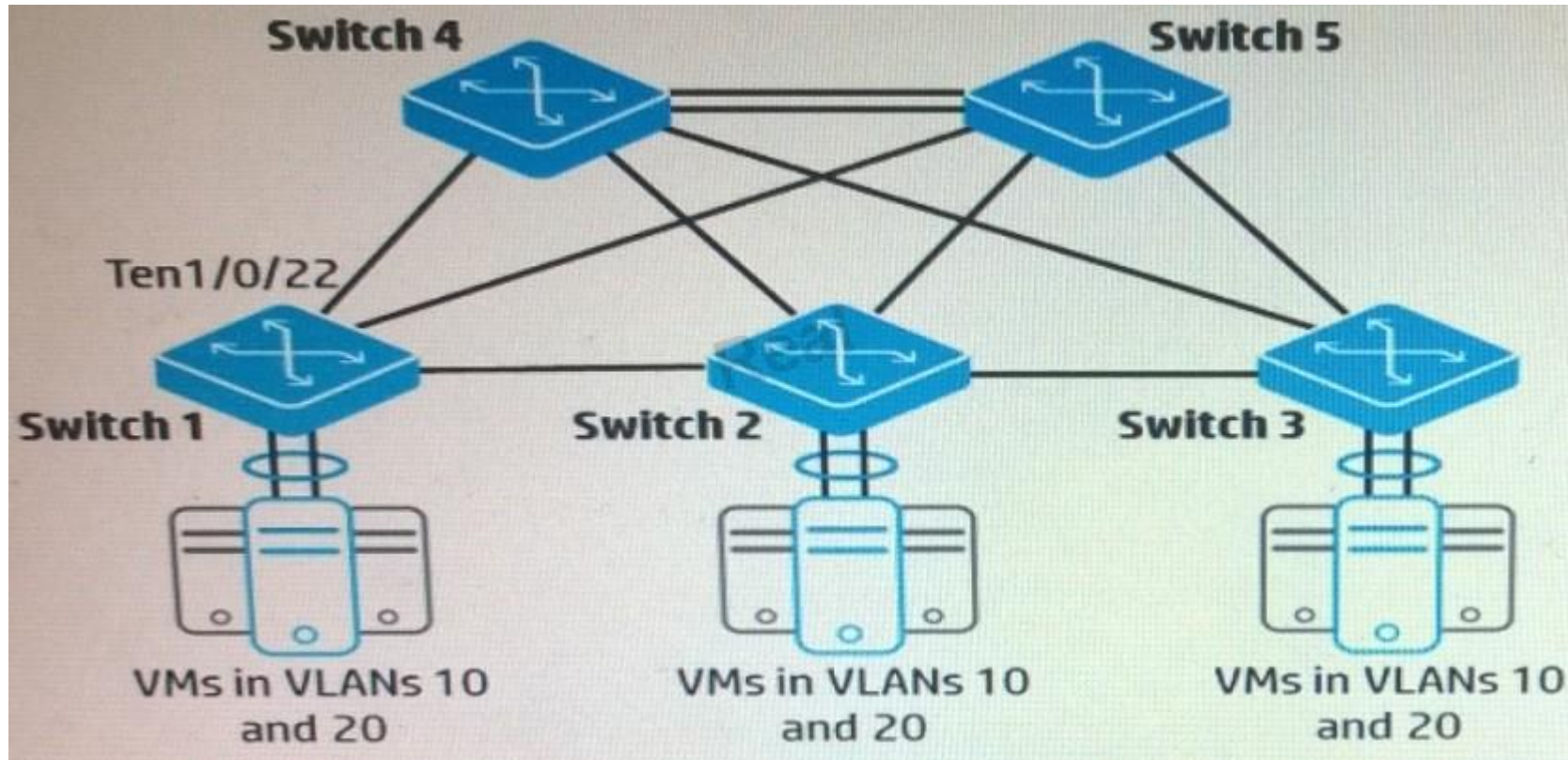


 <https://ondemand.questionmark.com/delivery/percept...>

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

 Close

Refer to the exhibit.



The switch shown in the exhibit should from a TRILL region. For Switch 1 interface ten1/0/22, what is a valid port link-type and TRILL port type?

- A. port link type = access port in any VLAN  
Real 8  
HP HP0-Y51 Exam  
TRILL port type = TRILL access port
- B. port link type = access port in any VLAN  
TRILL port type = TRILL trunk port
- C. port link type = trunk port that permits VLMs 10 and 20 TRILL- port type = TRILL access port
- D. port link type = hybrid port with untagged VLANs 10 and 20 TRILL port type = TRILL hybrid port

**Correct Answer: C**

**Section: (none)**


**Explanation**

**Explanation/Reference:**


Explanation:

**QUESTION 50**

Table of Acronyms

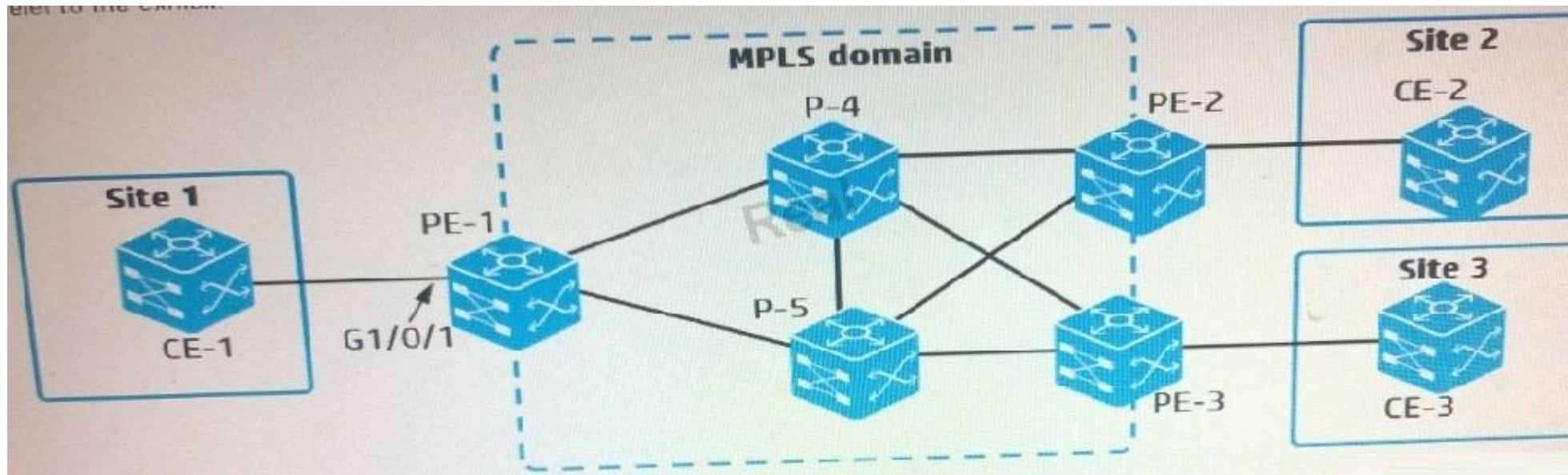
 <https://ondemand.questionmark.com/delivery/perce>

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
TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol

 Close

Refer to the exhibit.





Real 9

HP HP0-Y51 Exam

An administrator is planning an MPLS and VPLS Martini to connect customer sites 1, 2, and 3.  
How many pseudo must the administrator define?

- A. Two-two on PE-1, with one connected to PE-2 and PE-3
- B. Three-one each on PE-1, PE-2, and PE-3
- C. Four-two on PE-1, one on PE-2 m and one on PE-3
- D. Six-twoeach on PE-1, PE-2, and PE-3

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 51

An administrator plans to deploy a wireless network, which might need to support a mix of 802.11g and 802.11n clients in the 2.4 GHz frequency. The administrator wants to prioritize transmissions for 802.11 n clients. Which 2.4 GHz radio setting helps to prevent slow clients from taking more than their share of transmission time?

- A. Set up the channel reuse option.
- B. Set up the fair scheduling option.
- C. Set the mandatory data rate for 802.11g as low as possible.
- D. Set the multicast data rate for 802.11n as low as possible.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

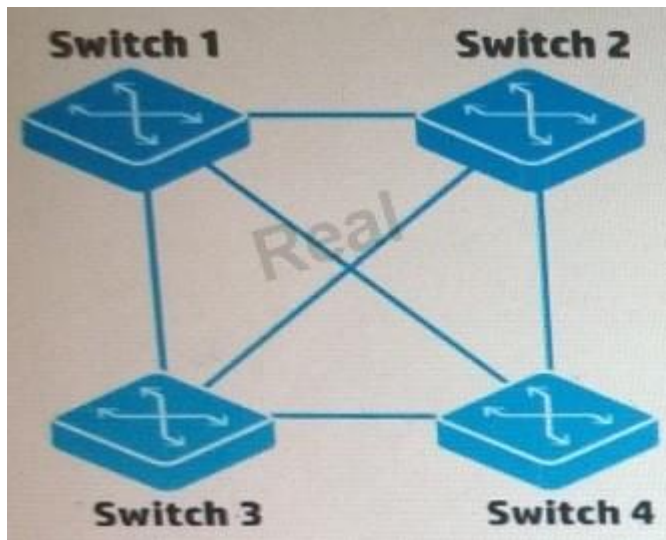
Explanation:

**QUESTION 52**

Refer to the exhibit.

Real 10

HP HP0-Y51 Exam



The switches shown in the exhibit use the HP VAN SDN Controller as the OpenFlow controller. They connect to the controller on their out-of-band management (OOBM) ports, but these connections are not shown in the exhibit. The switches also run spanning tree protocol. An SDN application installed on the HP VAN SDN Controller is programmed to discover live ports, find redundant paths, and create loopfree paths for traffic infrastructure shown in the exhibit. However the application is not able to complete these functions because the switches are reporting some ports as blocked.



What should the administrator do to let the application create the loopfree paths?

- A. Disable spanning tree on the OpenFlow-enabled switches and do not configure link aggregation.
- B. Enable spanning tree on the OpenFlow-enabled switches but set the application as the spanning tree flood parameter controller.
- C. Enable spanning tree on the OpenFlow-enabled switches and configure all of the redundant links as egress-only-ports
- D. Disable spanning tree on the OpenFlow-enabled switches and configure the redundant links as static link aggregations

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 53**

A large shopping center has an HP BYOD solution with these requirements:

Real 11

HP HP0-Y51 Exam

- User Access Manager (UAM) should provide the portal in which guests register their own accounts.
- Guests should only have to register and log in once. After that, the guest device automatically logs in byMAC address.
- Each shop has its own SSID.

The administrator wants UAM to display a custom portal page to users based on the SSID to which they connect. What is the proper way to configure this solution?

- A. In the guest access service, bind different SSIDs to different portal pages.
- B. In the global guest registration settings, add an SSID map, which binds SSIDs to portal pages.
- C. In the access service assigned to the BYODAnonymous account, bind different SSIDs to different portal pages.
- D. In the global portal settings, add an SSID map, which binds SSIDs to portal pages.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 54**

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.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

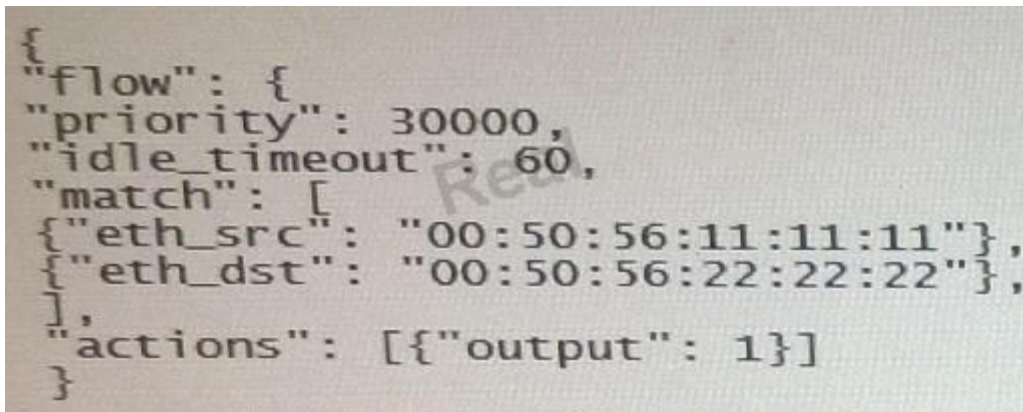
Explanation:

**QUESTION 55**

Refer to the exhibit.

Real 12

HP HP0-Y51 Exam



```
{
  "flow": {
    "priority": 30000,
    "idle_timeout": 60,
    "match": [
      { "eth_src": "00:50:56:11:11:11" },
      { "eth_dst": "00:50:56:22:22:22" }
    ],
    "actions": [ { "output": 1 } ]
  }
}
```

A company has an HP VAN SDN Controller that controls HP Provision switches. An SDN developer creates an application that needs to make many immediate decisions for handling traffic. The application is programmed to create rules such as those shown in the exhibit

Which change could improve performance by letting the hardware handle the flows?

- A. Change the idle timeout to 0 and specify table ID 200.

- B. Create a service insertion tunnel, and change this rule to output to this tunnel.
- C. Explicitly force this rule to use Table 0.
- D. In the match criteria, list a specific Ethernet type such as IPv4.

**Correct Answer:** B

**Section:** (none)

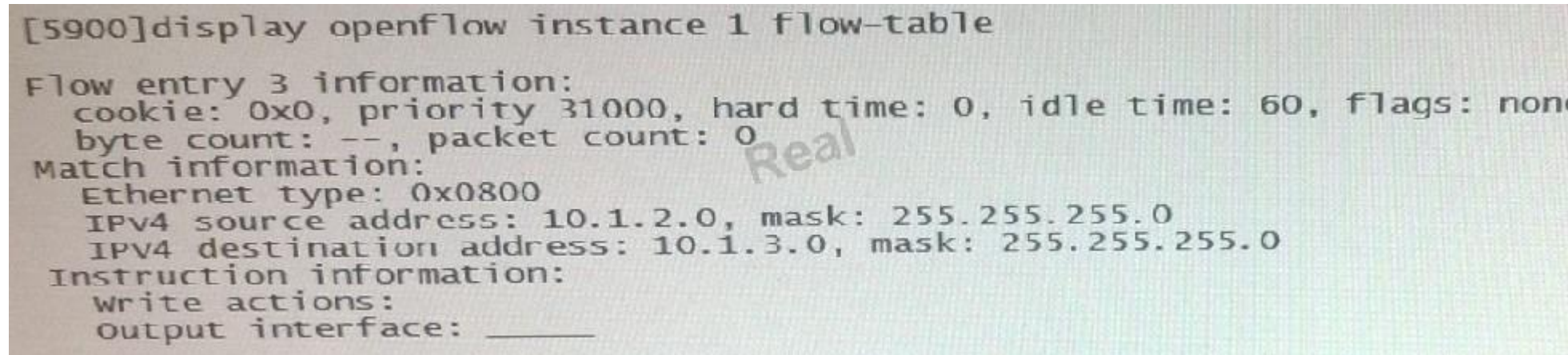
**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 56**

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 configured 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.

Real 13

HP HP0-Y51 Exam

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### **QUESTION 57**

What correctly describes the role of OpenFlow in an SDN solution?

- A. OpenFlow regulates the communications among teamed SDN controllers, as well as between an SDN controller and a network infrastructure device
- B. OpenFlow integrates the SDN controller into a larger management suite such as that provided in an HP CloudSystem solution.
- C. OpenFlow is a communication protocol that an SDN controller can use to control devices at the network infrastructure layer.
- D. OpenFlow is the open standard technology that regulates SDN control plane and application plane communications.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:<http://searchsdn.techtarget.com/guides/OpenFlow-protocol-tutorial-SDN-controllers-and-applications-emerge>

#### **QUESTION 58**

An SDN application needs to create reactive flow table entries in response to specific packets. The flow\_mod APIs will create the actual entries, but application must be configured with another API as part of this function.

What is that API?

- A. A sequence packet listener (SPL) API that specifies the Director role and the match criteria for the packets
- B. A listener API that registers the application to listen for data paths Real 14  
HP HP0-Y51 Exam
- C. A listener API that registers the application to listen for meters
- D. A sequence packet listener (SPL) API that specifies the Advisor role and the match criteria for the packets

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 59**

A company has an Employees SSID, which enforces Wi-Fi Protected Access 2 (WPA2) with 802.1X. The company has a Contractors SSID, which has no encryption. Contractors can connect their own devices to the Contractors SSID and log in the credentials assigned to them by an employee. HP User Access Manager (UAM) has these services:

- A Contractor access service, which is assigned to contractor accounts created by employees
- An Employee access service, which is assigned to employee accounts synchronized from Active Directory (AD)

A new company policy encourages contractors to use encryption. Contractors should download certificates when they connect to Contractors SSID and register. Then the contractors can connect to the Employees SSID and have an encrypted connection.

How does the administrator enable the contractors to connect to the Employees SSID but receive the correct contractor VLAN assignment?

- A. In the Employee access service, bind the Contractor group to an access policy that specifies the contractor VLAN ID and PAP authentication.
- B. In the Employee access service, bind the Contractor group to an access policy that specifies the contractor VLAN ID and EAP-TLS certificate authentication
- C. In the Contractor access service, bind the Employees SSID to an access policy that specifies the contractor VLAN ID and EAP-TLS certificate authentication
- D. In the Contractor access service, bind the Employees SSID to an access policy that specifies the contractor VLAN ID and PAP authentication

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:


**QUESTION 60**

Table of Acronyms


Real 15

HP HP0-Y51 Exam



 <https://ondemandquestionmark.com/delivery/perc...>

EVI	Ethernet Virtual Interconnect
FCoE	Fibre Channel over Ethernet
L2VPN	Layer 2 Virtual Private Network
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TRILL	Transparent Interconnection of Lots of Links
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
LDP	Label Distribution Protocol



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.
- 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.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference:[http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr\\_na-c04220368- 2&docLocale=en\\_US](http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c04220368-2&docLocale=en_US)(page 10)