



# HP0-Y51<sup>Q&As</sup>

Building HP SDN and FlexNetwork Solutions

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### QUESTION 1

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

### QUESTION 2

Table of Acronyms

Acronym	Full Name
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

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

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### QUESTION 3

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

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### QUESTION 4

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
- 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

### QUESTION 5

Table of Acronyms Refer to the exhibit.

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



```
#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?

- 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



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