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Building HP SDN and FlexNetwork Solutions

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QUESTION 1

Table of Acronyms

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

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 browser window.

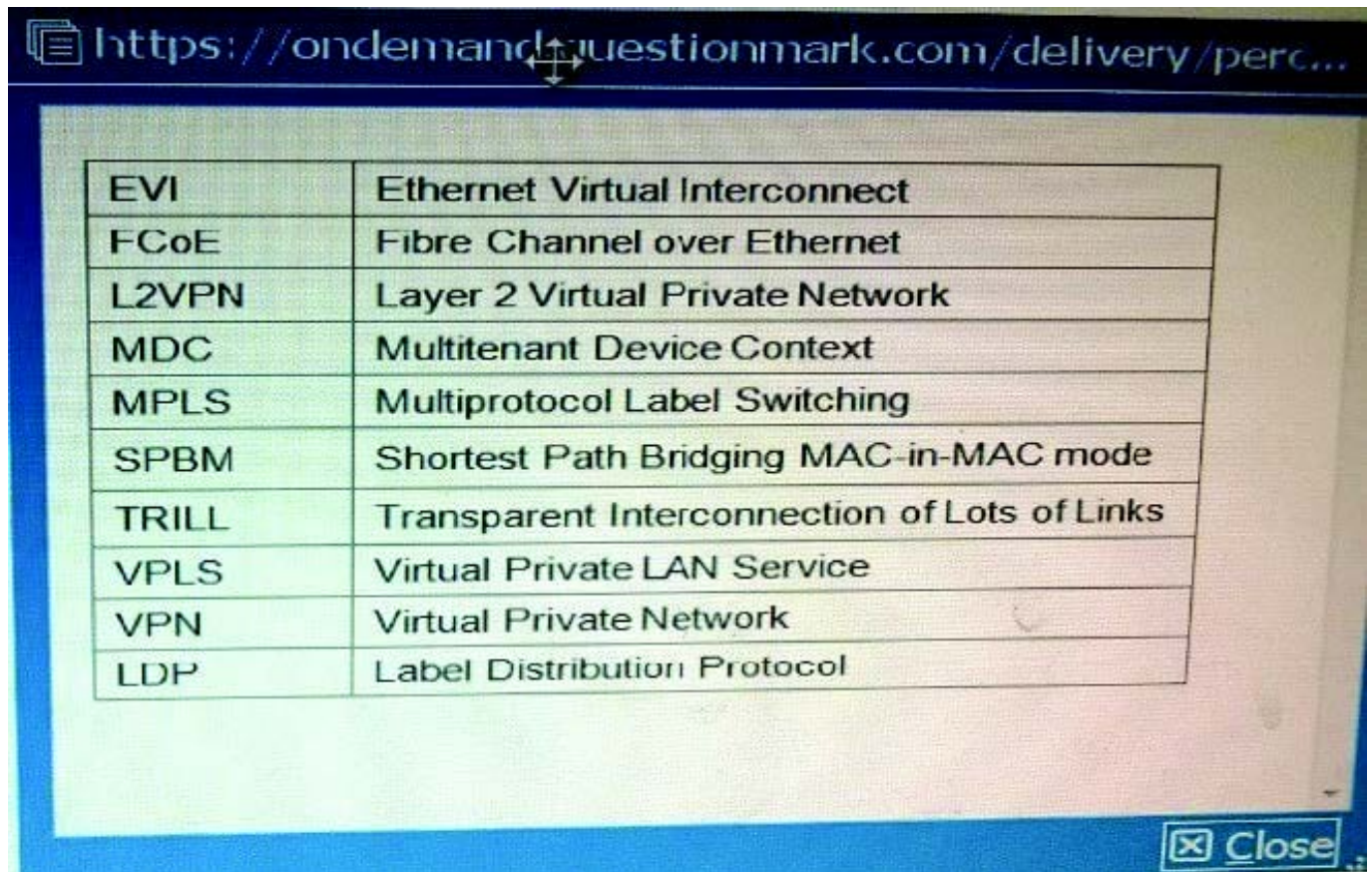
Which common data center requirement does an HP EVI solution meet?

- 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

QUESTION 2

Table of Acronyms



The screenshot shows a web browser window with the URL <https://ondemand.questionmark.com/delivery/perc...>. The main content is a table with two columns: an acronym and its full name. The table is as follows:

EVI	Ethernet Virtual Interconnect
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A "Close" button is visible in the bottom right corner of the screenshot.

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

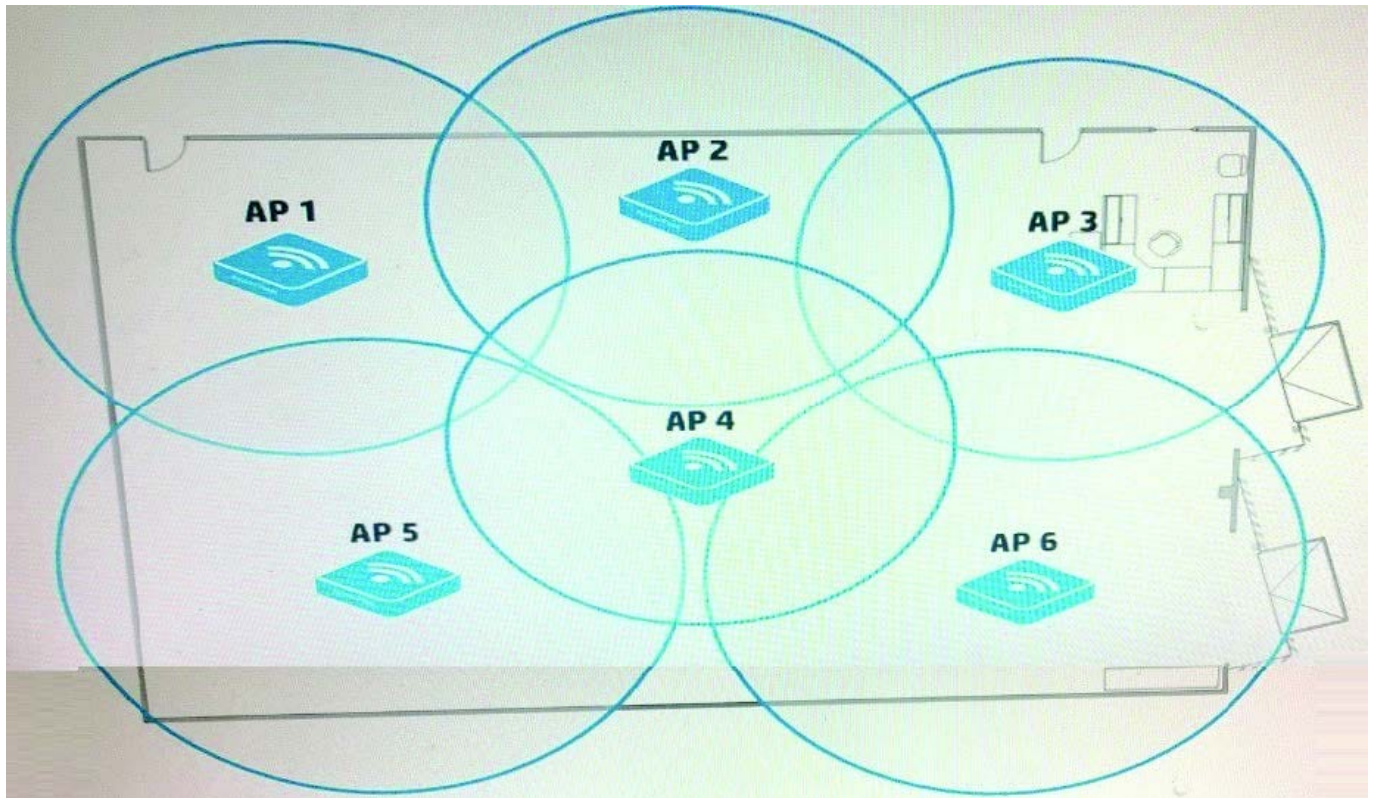
- A. SPBM switches can send multicasts as both multicasts and unicasts, increasing reliability for the transmission.
- B. Multicasts follow a better path to each destination than they would with head-end replication.
- C. An ingress SPBM switch does not have the load of replicating and forwarding many 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

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

QUESTION 3

Refer to the exhibit.



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

QUESTION 4

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
      output           : 1

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
      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.

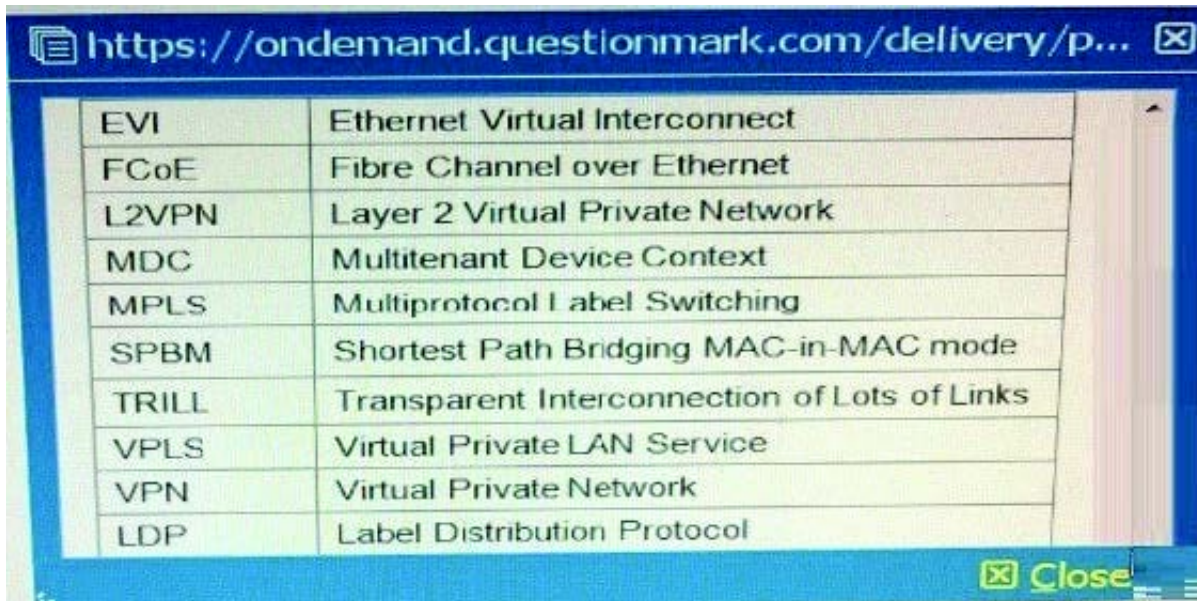
Which change to the rules let the switch behave as desired?

- 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

QUESTION 5

Table of Acronyms



The screenshot shows a web browser window with the URL <https://ondemand.questionmark.com/delivery/p...>. The main content is 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
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A "Close" button is visible in the bottom right corner of the browser window.

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

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