



# HP2-Z31<sup>Q&As</sup>

Creating HP Software-defined Networks

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### QUESTION 1

A customer wants to implement an OpenFlow solution where packets that do not match any flow entries in the OpenFlow table on the switch are not sent to the controller. Rather, packets not matching should be handled normally by the switch. Which command enables this functionality on an HP 3800 series switch?

- A. openflow instance sales mode active
- B. openflow instance sales mode normal
- C. openflow instance sales mode passive
- D. openflow instance sales mode hybrid

Correct Answer: C

OpenFlow instance mode

OpenFlow can work either in active or passive mode.

Passive mode

There is one-way communication from the OpenFlow controller to the switch. Packets that do not match any flow in the flow table on the switch are not sent to the controller. Such packets of new flows are handled normally by the switch.

Active mode

New packets of a flow that the switch is not aware of are sent to the OpenFlow controller.

Reference: HP Switch Software OpenFlow Administrator's Guide K/KA/WB 15.14 [http://](http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03991489-1.pdf)

[h20628.www2.hp.com/km-ext/kmcsdirect/emr\\_na-c03991489-1.pdf](http://h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03991489-1.pdf) (OpenFlow instance mode, passive mode)

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### QUESTION 2

Which HP IMC SDN Manager functionality provides a detailed overview of OpenFlow counters and DPIDs?

- A. SDN Manager flow entry management
- B. SDN Manager OpenFlow device management
- C. SDN Manager dashboard
- D. SDN Manager service flow management

Correct Answer: B

OpenFlow device management



Displays all the flow entries, counters, DPIDs, and other OpenFlow statistics per device Helps locate OpenFlow devices within the network topology Reference: HP IMC Virtual Application Networks Software-defined Networking Manager Software (page 2) <http://www8.hp.com/h20195/v2/GetPDF.aspx%2F4AA4-9879ENN.pdf>

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### QUESTION 3

What is used by the HP VAN SDN Controllers for internal communication between controllers?

- A. REST API Token
- B. Admin ToKen
- C. Auth ToKen
- D. Service Token

Correct Answer: D

The Service token is used for internal communication between controllers and is not exposed to the user.

Reference: HP VAN SDN Controller Administrator Guide, Service and Admin Tokens

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### QUESTION 4

Which protocol does the LYNC FE Server Plugin use to communicate to the HP Network Optimizer SDN Application?

- A. OpenFlow
- B. SNMPv3
- C. Java Remote Method Protocol
- D. REST

Correct Answer: A

Net Optimizer - Lync uses OpenFlow to dynamically provision the end-to-end network path and QoS policy for that Lync call.

Reference: HP Network Optimizer SDN Application -Microsoft Lync 1.1 Administrator Guide

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### QUESTION 5

Which services does HP IMC SDN Manager provide? (Select two.)

- A. Managing switch listeners
- B. Updating Topology Service discovery protocol
- C. Managing OpenFlow enabled SDN resources



D. Creating and maintaining flow policies

E. Managing and maintaining application awareness

Correct Answer: CD

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HP VAN SDN Manager provides the following: / Consistent management experience across SDN and traditional networks / Configuration, monitoring, and policy management for a software-defined network / OpenFlow switch management for quick troubleshooting and deployment

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SDN management HP Provides a complete SDN management solution that: / Delivers network agility through rapid provisioning and automation of network policy enforcement and enabling SDN deployments. / Accelerates application deployment through rapid provisioning of server connectivity. / Enables service agility and velocity from access to core through network resource provisioning. / Provides comprehensive management of all SDN layers.

Reference: Mock RFI for Enterprise SDN Solutions

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