HP2-Z31^{Q&As}

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://

h20628.www2.hp.com/km-ext/kmcsdirect/emr_na-c03991489-1.pdf (OpenFlow instance mode, passive

mode)

QUESTION 2

Which technology can be used in OpenFlow 1.3 that allows rate limiting of packets that are sent to the SDN Controller?

A. Slicing

B. sFlow support

C. Meter on IP ToS/DSCP bits

D. Meter table

Correct Answer: D

Per-flow meters OpenFlow 1.3 brings support for per-flow meters. These can be attached to flow entries and can

measure and control the rate of packets. One of the main applications of perflow meters is to rate limit packets sent to the controller.

Reference: Production-ready SDN with OpenFlow 1.3

http://h17007.www1.hp.com/docs/interop/2013/37958_HPN_SDN_Openflow_Brief_042913_lo.pdf (page 2)

QUESTION 3

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 4

A controller is able to register for asynchronous messages from an OpenFlow switch, but when the controller attempts a flow_mod. the OpenFlow command is rejected. Which mode is the controller in from the switch point of view?

A. Leader

B. Slave

C. Master

D. Equal

Correct Answer: B

QUESTION 5

A network administrator wants to back up the HP VAN SDN Controller. Which files will need to be downloaded and kept together? (Select two.)

A. sdn_controller_backcup_.rar

B. sdn_concroller_backup_.rar.MD5

C. sdn_cont;roller_backcup_.zip

D. sdn_controller_backcup_.zip.MD5

E. sdn controller backup .tgz

Correct Answer: CD

Download a Backup From the Controller to Another Location Both the .zip file and the .MD5 (checksum) file (zip.MD5) should be downloaded to the same, secure location. Choose the correct name now; you cannot rename the files later Details (check the file extensions):

1.

Download the Backup .zip File: curl --noproxy --header "X-Auth-Token:" --fail -ksSfL --request GET --url "https://:8443/sdn/v2.0/systems//backup?csum=false" > .zip

2.

Download the backup .MD5 (Checksum) File curl --noproxy --header "X-Auth-Token:" --fail -ksSfL --request GET --url "https://:8443/sdn/v2.0/systems//backup?csum=true" > .zip.MD5

Reference: HP VAN SDN Controller Administrator Guide

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