HP2-Z31$^{Q\&As}$

Creating HP Software-defined Networks

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QUESTION 1

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 2

An administrator wants the switches to forward traffic in the legacy mode. If all the controllers fail, which action should the administrator take?

A. Install a packetin rule as the lowest priority rule in the flow table.

B. Configure the instance to fail in standalone mode.

C. Install a packet_out rule as the lowest priority rule in the flow table.

D. Configure the instance to fail in interruption mode.

Correct Answer: B

OpenFlow instance connection interruption mode

You can set the type of behavior when the switch loses connection with the controller.

fail-standalone

If the switch loses connection with all of the controllers, packets and messages of new flows behave as a

legacy switch or router would. Existing flows of this OpenFlow instance are removed.

Reference: HP OpenFlow Switches

QUESTION 3

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 4

Refer to the exhibit

A team of HP VAN SDN Controllers has been configured using the controllers shown in the exhibit. Which controller will become the team leader by default?

A. 192.168.56.2

B. 192.168.56.7

C. 192.168.56.5

D. 192.168.56.6

Correct Answer: C

The controller with the highest priority.

Once a team is configured, the configuration and monitoring of team members and their associated OpenFlow switches is performed by the team manager. If the team manager goes down, the controller with the next highest priority in the team configuration becomes the team manager.

Note: Team Management Each controller belonging to a team is a team member. To centralize team management and control, one controller is designated as the team manager. Teaming is configured on one controller and is automatically

propagated to the other controllers in the team, regardless of which controller becomes the team manager.

Reference: HP VAN SDN Controller Administrator Guide

QUESTION 5

A customer wants to deploy an HP ProVision-based network with laptops daisy chained to physical IP phones. The customer also wants the laptop traffic to be managed by OpenFlow, while the phones use traditional QoS. Which OpenFlow switch instance configuration option should the customer use?

A. QoS passthrough

B. Aggregate

C. Virtualization

D. Passive

Correct Answer: C

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