QUESTIONS & ANSWERS

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HP

HPE2-Z38

Creating HPE Software-defined Networks

QUESTION: 61

What is required for configuring OpenFlow on both HP Comware and Provision switches?

- A. OpenFlow Controller ID and IP address
- B. DHCP settings for the VLAN that supports OpenFlow
- C. Manually defined OpenFlow table IDs, unique from those on other switches
- D. Manually defined DPID, unique from that on other switches

Answer: C

QUESTION: 62

Exhibit

Refer to the exhibit

						Summary	Ports	Flows	Group
٠	Table ID	Priority 0	Packets 0	Bytes 0	Match	Actions/Instructions goto_table: 100	794	ass ID sdn.norn	nal
٠	100	60000	0	0	etn_type: bddp	apply_actions: output: CONTROL	com.hp.sdn.bddp.steal LLER		
	100	31000	0	0	eth_type: arp	goto_table: 200	com.hp.	sdn.arp.o	ору
٠	100	31500	0	0	eth_type: ipv4 ip_proto: udp udp_src: 67 udp_dst: 68	goto_table: 200	com.hp.	sdn.dhcp	сору
•	100	31500	0	0	eth_type: ipv4 ip_proto: udp udo_ccc.69	goto_table: 200	com.hp.	sdn,dhcp	сору.
•	100	50301	0	0	udp_dst: 67 eth_type: ipv4 ip_proto: udp udp_dst: 53	apply_actions: output: 1006641	46		

The network administrator is troubleshooting the flow that is circled in the exhibit. The administrator accesses the CLI for the HP Provision switch with these flows. How can the administrator determine whether the switch has established a service insertion tunnel ID 100664146 to the controller?

- A. View service policies.
- B. View OpenFlow flows.
- C. View tunnel interfaces.
- D. View OpenFlow controllers.

Answer: D

QUESTION: 63

A company has HP VAN SDN Controllers which form a team Assume that all switches are configured correctly to use all controllers in the team The team leader fails After the team detects the failure, what happens?

- A. The team temporarily operates without a leader and enters a suspended state It can continue to communicate with applications but cannot send new flows to network devices.
- B. The team temporarily operates without a leader and enters a suspended state. The team continues to control network devices and communicate with applications but cannot receive configuration changes.
- C. The team elects one of the remaining controllers as the new leader, and operations continue after a brief application interruption during election.
- D. The team elects one of the remaining controllers as the new leader. The team continues to control network devices but cannot receive new flows from applications.

Answer: A

QUESTION: 64

Exhibit

```
Elle Edit View Go Capture Analyze Statistics Telephony Tools Internals Help
Filter: openflow_v4
                                                                    - Expression... Clear Apply Save
    Time
                                               Destination
                                                                        Protocol Length Info
   4475 156, 71952210, 1, 1, 253
                                                                        openF1cw
                                               192, 168, 56, 11
                                                                                         130 Type: OFPT FLOW REMOVED
   4477 156,720300 192,168,56,11
                                                                                          74 Type: OFPT_BARRIER_REQUEST
                                                                        Opene IUW
                                               192.168.56.11
   4478 156.72074210.1.1.253
                                                                        openFlow
                                                                                         74 Type: OFPT BARRIER REPLY
## Frame 4474: 130 bytes on wire (1040 bits), 130 bytes taptured (1040 bits) on interface 0
## Ethernet II, Src: vmware_97:27:fd (00:50:56:97:27:fd), bst: Hewlettp_37:a4:97 (78:48:59:37:a4:97)
## Internet Protocol version 4, Src: 192.168.56.11 (192.168.56.11), bst: 10.1.1.253 (10.1.1.253)
## Transmission Control Protocol, Src Port. 6033 (6033), bst Port. 56325 (36325), Seq. 6897, Ack. 1225, Len. 64
openFlow 1.3
     version: 1.3 (0x04)
     Type: OFFT_FLOW_MOD (14)
     Length: 64
     Transaction ID: 32496
     Cookie: 0xabab014e635bac6a
     Command: OFPFC_DELETE_STRICT (4)
     Idle timeout: 0
     Hard timeout: 0
     Priority: 100
     Buffer ID: OFP_NO_BUFFER (0xffffffff)
Out port OFFP_ANY (0xffffffff)
Out group: OFPG_ANY (0xffffffff)
  ■ Flags: 0x0000
     Pad: 0000
  ☐ Match
        Type: OFFMT_OMM (1)
        Length: 14
     ⊞ OXM field
          Class: OFFIMO OPENFLOW BASIC (0x8000)
          0000 100. = Field: OFF>MT_OFB_ETH_SRC (4)
.....0 = Has mask: False
          Length: 6
           Value: aa:aa;bb:bb:cc:cc (aa:aa;bb;bb;cc:cc)
        Pad: 0000
```

Which action will the switch take when it receives this message?

- A. Delete all flows in table 200. effectively "flushing" the switch's table.
- B. Check its flow table and remove the flow that matches the request.
- C. Modify the out port in an existing flow in table 200
- D. Remove all flows that match source MAC address aa:aa:bb:bb:cc.

Answer: B

QUESTION: 65

A company with a small IT staff needs to be able to deploy applications quickly. How can software-defined networking (SDN) help this company?

- A. by allowing IT to deploy policies for both traditional and OpenFlow-enabled switches from a centralized-controller
- B. by providing a programmable network that simplifies network provisioning
- C. by providing a common set of APIs for all network switches that support open standard protocols
- D. by eliminating the need to upgrade switch software to support new applications

Answer: B

QUESTION: 66

An HP Comware switch is controlled by an HP VAN SDN Controller team. If the switch loses its connection to all controllers in the team, the network administrator wants the switch to forward all traffic using normal switching and routing. How should the administrator configure this behavior?

- A. Set the switch OpenFlow instance fail-open mode to standalone.
- B. Set the switch OpenFlow instance connect mode to open.
- C. Configure the team region to which the switch is assigned in hybrid mode.
- D. Configure the team as a whole in hybrid mode.

Answer: D

QUESTION: 67

Which tool would a network administrator use to disable the HP Network Optimizer SDN Application?

- A. Node Manager
- B. Keystone
- C. Application Manager
- D. Upstart

Answer: C

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