



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

Creating HP Software-defined Networks

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### QUESTION 1

Refer to the exhibits.



```
<5900-2>dis openflow instance 10
```

```
Instance 10 information:
```

```
Configuration information:
```

```
Description      : vlan10
```

```
Active status    : active
```

```
Inactive configuration:
```

```
none
```

```
Active configuration:
```

```
Classification VLAN, total VLANs(1)
```

```
10
```

```
In-band management VLAN, total VLANs(0)
```

```
empty VLAN
```

```
Connect mode: multiple
```

```
MAC address learning: Enabled
```

```
Flow table:
```

```
Table ID(type): 0(Extensibility), count: 0
```

```
Flow-entry max-limit: 65535
```

```
Datapath ID: 0x000a44319261869e
```

```
Port information:
```

```
GigabitEthernet1/0/2
```

```
GigabitEthernet1/0/4
```

```
GigabitEthernet1/0/5
```

```
GigabitEthernet1/0/7
```

```
GigabitEthernet1/0/8
```

```
Active channel information:
```

```
Failopen mode: secure
```

```
<5900-2>
```



```
[5900-2]display openflow instance 10 controller
Instance 10 controller information:
Reconnect interval: 60 (s)
Echo interval      : 5 (s)

Controller ID      : 1
Controller IP address : 192.168.56.7
Controller port     : 6633
Controller role     : Equal
Connect type       : TCP
Connect state      : Established
Packets sent       : 440
Packets received   : 888
SSL policy         : --
VRF name           : --

[5900-2]
```

What happens when the switch shown in the exhibit loses connectivity to the HP VAN SDN Controller?

- A. The switch removes all flow entries and reverts to the normal forwarding process,
- B. The switch removes all flow entries and continues to use the OpenFlow pipeline.
- C. The switch forwards traffic based on flow tables and does not delete unexpired flow entries.
- D. The switch uses the normal forwarding process and does not delete the flow entries.

Correct Answer: C

## QUESTION 2

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 3

Which HP IMC SDN Manager functionally provides a detailed overview of flow entry history?

A. SDN Manager service flow management

B. SDN Manager Open Flow device management

C. SDN Manager dashboard

D. SDN Manager flow entry management

Correct Answer: A

Flow Management:

\*

Delivers History Flow Entry records flow entry used before to help administrators audit flow policy change

\*

Displays the list of all current Flow entry in OF network, including Match Field, Instruction and other statistics.

\*

Shows detailed flow service information and flow traffic and trend in flow entry detail page

\*

Provides shortcut to locate flow to topology show device and link status

Reference: HP IMC Virtual Application Networks Software-defined Networking Manager Software

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### QUESTION 4

Which HP IMC SDN Manager functionality provides a logical overview of the OpenFlow network?

A. SDN Manager reports



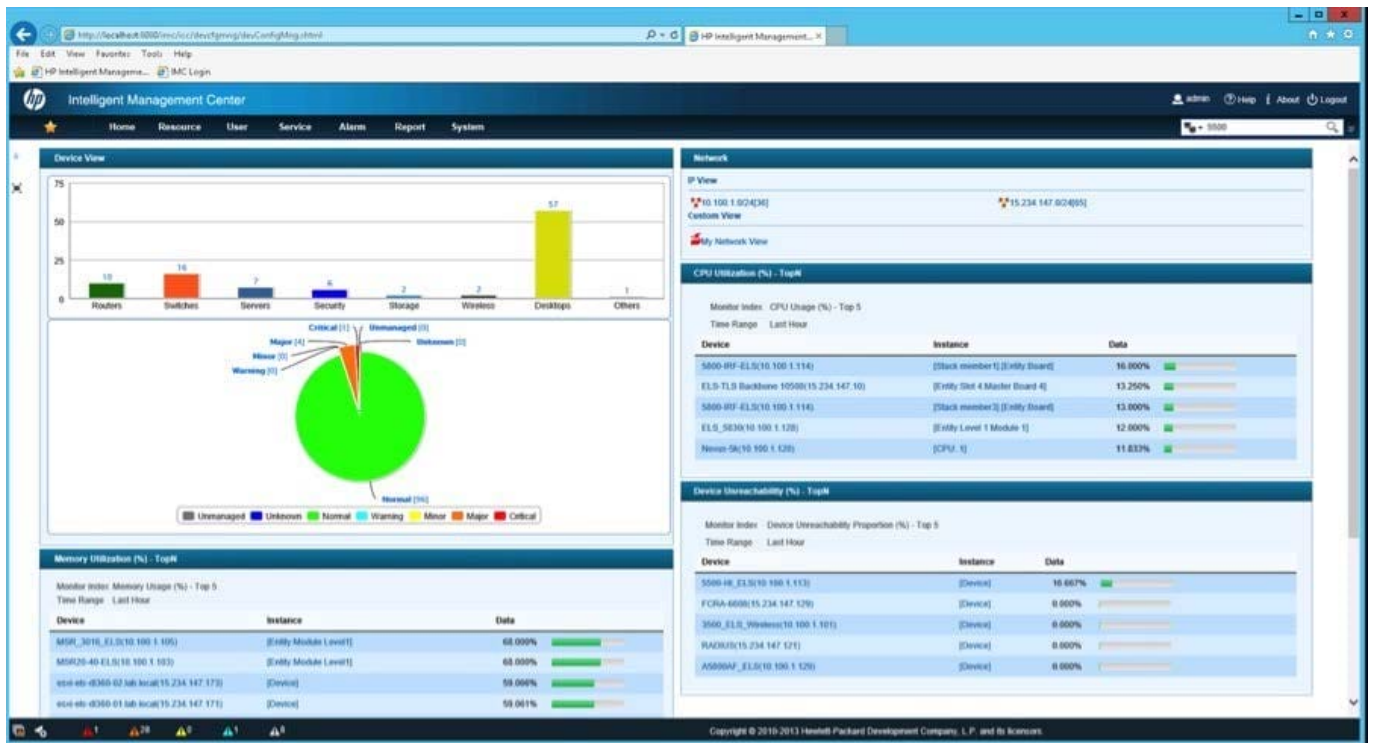
B. SDN Manager dashboard

C. SDN Manager flow entry management

D. SDN Manager OpenFlow topology

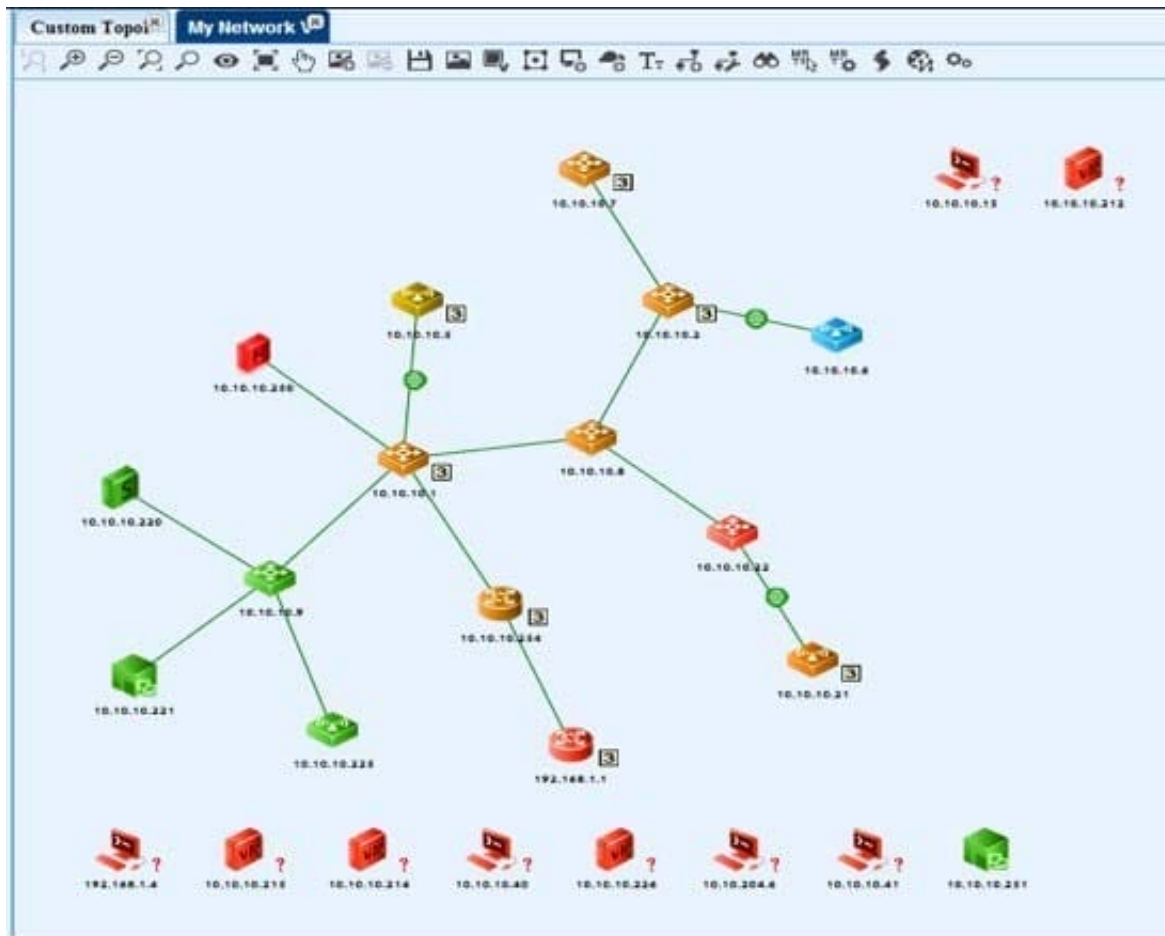
Correct Answer: B

HP IMC Dashboard figure:



My Network view (within SDN Manager Dashboard):





Reference: Review: HP Intelligent Management Center (IMC)

### QUESTION 5

Which OpenFlow version introduces multiple flow tables?

- A. 1.0  
B. 1.1  
C. 1.2  
D. 1.3

Correct Answer: D

Openflow 1.3.1: Support for multiple flow tables is introduced Reference: Open Flow 1.3.1 Support: Controller View  
[https://wiki.opendaylight.org/images/d/dc/Openflow1.3\\_Support\\_for\\_Opendaylight.pdf](https://wiki.opendaylight.org/images/d/dc/Openflow1.3_Support_for_Opendaylight.pdf)

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