HP2-Z31^{Q&As}

Creating HP Software-defined Networks

Pass HP HP2-Z31 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.geekcert.com/hp2-z31.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by HP Official
Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

QUESTION 1

Which HP VAN SDN Controller service processes ARP replies in Packetin messages sent by the OpenFlow switches?

A. Controller Service

B. Path Daemon

C. Path Diagnostics Service

D. Node Manager

Correct Answer: D

Node Manager

Operation:

Learns and maintains end-host locations in the network. Uses information received from network devices

to maintain the ARP table and end host data.

Uses the Topology Service to determine if a port receiving a packet is an edge port or not.

Learns and maintains end nodes in the controller domain, and associates end nodes with edge ports.

Builds an ARP cache with MAC-IP translations of end hosts.

Maintains ARPs on a per-VID basis.

Provides the edge port details for end hosts.

Reference: HP VAN SDN Controller Administrator Guide

QUESTION 2

Which important functions does the HP VAN SDN Controller provide for an SDN deployment? (Select two.)

A. It discovers HP switches using SNMP. configures OpenFlow on them, and enables the OpenFlow instances.

B. It provides a platform for SDN applications and mediates between these applications and network infrastructure devices.

C. It delivers comprehensive, policy-based management for both traditional networks and SDN networks, enabling gradual integration of SDN applications.

D. It uses APIs to expose an abstracted and centralized control plane to network applications.

E. It provides built-in templates for provisioning virtual machine network connectivity and automatically applies those templates as required.

Correct Answer: BC

The HP VAN SDN Controller is a Java-based OpenFlow controller enabling SDN solutions such as network controllers for the data center, public cloud, private cloud, and campus edge networks. This includes providing an open platform for developing experimental and special- purpose network control protocols using a built-in OpenFlow controller.

The HP VAN SDN Controller is a platform for developing SDN applications and deploying SDN applications. The controller can be characterized as providing a Base Control Platform, a Distributed Platform for High-Availability and Scalability, and an Extensible Platform.

Reference: HP VAN SDN Controller Administrator Guide

QUESTION 3

How does an HP VAN SDN Controller team provide high availability for OpenFlow switches?

A. By using the northbound controller interface tied to a region configuration

B. By using the northbound controller interface with a secondary interface

C. By using the southbound controller interface tied to a region configuration

D. By using the southbound controller interface with a secondary interface

Correct Answer: C

* Northbound API Relative to figure 1 below, the Northbound API is the API that enables communications between the control layer and the application layer (external business applications.

Southbound API

Relative to Figure 1 below, the Southbound API is the API that enables communications between the control layer and the infrastructure layer (OpenFlow).

Figure 1. ONF\\'s SDN architecture
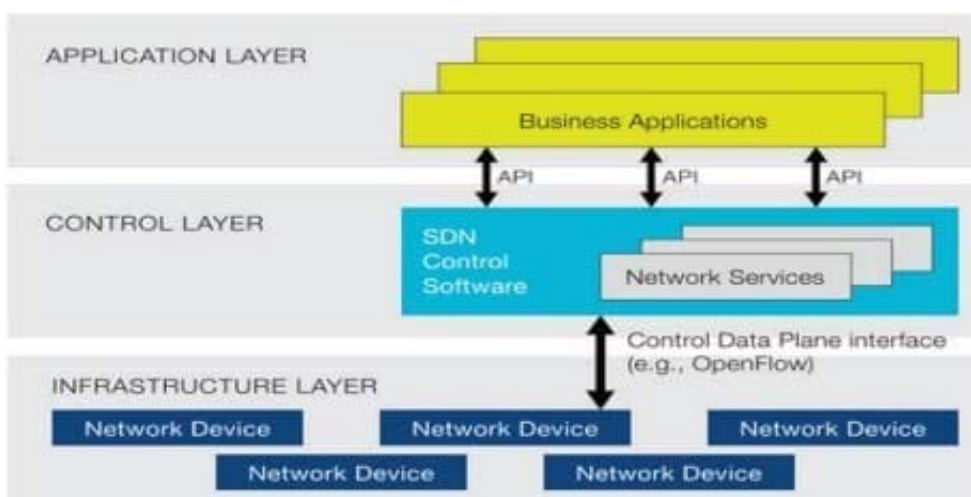
* Putting the region configurations in place in a controller team ensures seamless failover and failback among the configured controllers for the specified network devices in a region. That is, when a master controller experiences a fault, the Role Orchestration Service ensures that a slave controller immediately assumes the master role over the group of network devices to which the failed controller was in the master role.

Reference: Technical white paper, Mock RFI for Enterprise SDN Solutions Reference: HP VAN SDN Controller Administrator Guide

---

QUESTION 4

Which component of OpenStack is used by the HP VAN SDN Controller for identity services?

A. Glance

B. Keystone

C. Swift

D. Horizon

Correct Answer: B

The SDN controller uses Openstack Keystone as an identity management for managing users, generating tokens, as well as token validation.

Reference: HP VAN SDN Controller Administrator Guide

QUESTION 5

Which northbound API for external applications do developers use to communicate with the HP VAN SDN Controller?

A. JSON

B. NETCONF

C. HTTPS

D. REST

Correct Answer: D

PLUMgrid\\'s proprietary controller is designed to maintain control of its network virtualization solution and is not targeted at controlling external elements today. Like other network virtualization-focused controllers, it provides RESTful APIs in the form of proprietary northbound interfaces.

Reference: SDN Controller Wars 2.0 ON.LAB and Juniper Re-Ignite the Open-Source Battleground. Part 1 of 2 http://www.sdncentral.com/market/controller-onlab-juniper-open-source-sdn-battleground- part1/2013/12/

[HP2-Z31 PDF Dumps](#)   [HP2-Z31 Study Guide](#)   [HP2-Z31 Braindumps](#)