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

Creating HP Software-defined Networks

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QUESTION 1

Which command installs the HP VAN SDN Controller software?

A. sudo dpkg -1 *hp-sdn-ctl

B. sudo dpkg -i hp-sdn-ctl_2.0.0.4253_amd64.deb

C. sudo dpkg -P hp-sdn-ctl_2.0.0.4253_amd64.deb

D. sudo dpkg -1 hp-sdn-ccl 2.0.0.4253 amd64.deb

Correct Answer: B

Install the HP VAN SDN Controller from the directory in which it is stored: ~$ sudo dpkg i hp-sdn-ctl_version_amd64.deb · Replace version with a value for release version 2.0.1.4254 or greater, as shown in Example. Example: Installing the controller software ~$ sudo dpkg -i hp-sdn-ctl_2.0.1.4254_amd64.deb

Reference: HP VAN SDN Controller Installation Guide

QUESTION 2

What is a key feature of cloud computing?

A. server virtualization

B. network management virtualization

C. user self-provisioning

D. software-defined networking

Correct Answer: A

Explanation: Virtualization is a foundational element of cloud computing and helps deliver on the value of cloud computing. Cloud computing is the delivery of shared computing resources, software or data -- as a service and on-demand through the Internet Reference: Virtualization vs. Cloud Computing: What\'s the Difference? http://www.businessnewsdaily.com/5791-virtualization-vs-cloud-computing.html

QUESTION 3

A company has video, voice, and collaboration applications. The company is looking for a solution that improves performance. Which benefit does software-defined networking (SDN) provide tor this company?

A. SDN establishes a loop-free, non-baking architecture using Transparent interconnection of Lots of Links (TRILL) or Shortest Path Bridging (SPF3), as the company chooses.

B. SDN applications can automate the scripting of CLI commands- that adjust QoS policies as necessary

C. SDN applications can determine which traffic flows require prioritization and then program the infrastructure to prioritize these flows.

D. SDN adds three additional priority classes, specific to voice, video and collaboration, in addition to the eight classes provided by traditional QoS mechanisms.

Correct Answer: C

Unified Communications and Collaboration (UCandC) SDN Application--This application aims to improve the user experience of products such as Microsoft Lync within campus networks. It automates the deployment of quality-of-service policies and dynamically adjusts network priorities to securely support voice, video, and collaboration traffic, even in an environment integrating soft phones and BYOD user endpoints.

Reference: HP Virtual Application Networks SDN Controller

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

Which protocol is used to discover directly connected links between OpenFlow devices?

A. SNMP

B. CDP

C. OF-CONFIG

D. LLDP

Correct Answer: D

LLDP is used to discover direct links between switches and BDDP is used to discover the switches in the same broadcast domain.

Note: Using a link-discovery module, the controller generates both LLDP and broadcast packets (referred to as BDDPs) and sends them to all neighboring switches on a regular basis.

Reference: OpenFlow Controller

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