350-601^{Q&As}

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Implementing and Operating Cisco Data Center Core Technologies (DCCOR)

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QUESTION 1

What is required for using Ansible with HTTP/HTTPS protocol in a Cisco NX-OS environment?

A. SSH

B. Open Agent Container

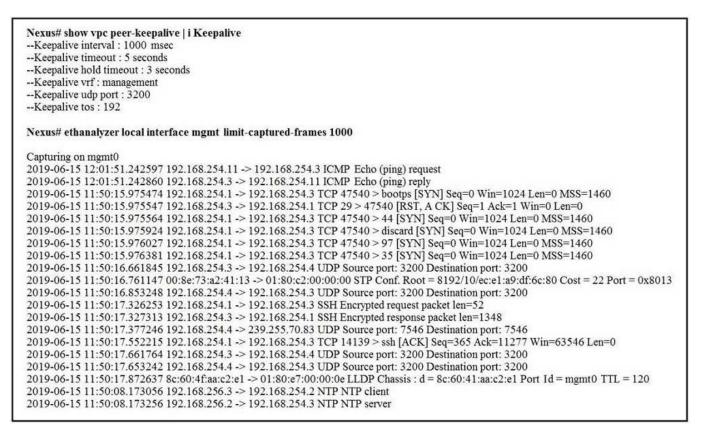C. XML management interface

D. NX-API

Correct Answer: D

https://docs.ansible.com/ansible/2.5/modules/nxos_nxapi_module.html
https://docs.ansible.com/ansible/latest/network/user_guide/platform_nxos.html

---

QUESTION 2

Refer to the exhibit.

```
Nexus# show vpc peer-keepalive | i Keepalive
--Keepalive interval : 1000  msec
--Keepalive timeout : 5 seconds
--Keepalive hold timeout : 3 seconds
--Keepalive vrf : management
--Keepalive udp port : 3200
--Keepalive tos : 192

Nexus# ethanalyzer local interface mgmt  limit-captured-frames 1000

Capturing on mgmt0
2019-06-15 12:01:51.242597 192.168.254.11 -> 192.168.254.3 ICMP  Echo (ping) request
2019-06-15 12:01:51.242860 192.168.254.3 -> 192.168.254.11 ICMP  Echo (ping) reply
2019-06-15 11:50:15.975474 192.168.254.1 -> 192.168.254.3 TCP 47540 > bootps [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975547 192.168.254.3 -> 192.168.254.1 TCP 29 > 47540 [RST, A CK] Seq=1 Ack=1 Win=0 Len=0
2019-06-15 11:50:15.975564 192.168.254.1 -> 192.168.254.3 TCP 47540 > 44 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975924 192.168.254.1 -> 192.168.254.3 TCP 47540 > discard [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976027 192.168.254.1 -> 192.168.254.3 TCP 47540 > 97 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976381 192.168.254.1 -> 192.168.254.3 TCP 47540 > 35 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:16.661845 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:16.761147 00:8e:73:a2:41:13 -> 01:80:c2:00:00:00 STP Conf. Root = 8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x8013
2019-06-15 11:50:16.853248 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.326253 192.168.254.1 -> 192.168.254.3 SSH Encrypted request packet len=52
2019-06-15 11:50:17.327313 192.168.254.3 -> 192.168.254.1 SSH Encrypted response packet len=1348
2019-06-15 11:50:17.377246 192.168.254.4 -> 239.255.70.83 UDP Source port: 7546 Destination port: 7546
2019-06-15 11:50:17.552215 192.168.254.1 -> 192.168.254.3 TCP 14139 > ssh [ACK] Seq=365 Ack=11277 Win=63546 Len=0
2019-06-15 11:50:17.661764 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.653242 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.872637 8c:60:4f:aa:c2:e1 -> 01:80:e7:00:00:0e LLDP Chassis : d = 8c:60:41:aa:c2:e1 Port Id = mgmt0 TTL = 120
2019-06-15 11:50:08.173056 192.168.256.3 -> 192.168.254.2 NTP NTP client
2019-06-15 11:50:08.173256 192.168.256.2 -> 192.168.254.3 NTP NTP server
```

A flapping link issue has been reported on the vPC keepalive link. A packet capture has been activated on the Cisco Nexus switch. What is the destination IP address of the vPC keepalive packets that are sent by the switch?

A. 192.168.254.4

B. 239.255.70.83

C. 192.168.254.1

D. 192.168.254.2

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/interfaces/92x/b-cisco-nexus-3000-nx-os-interfaces-configuration-guide-92x/b-cisco-nexus-3000-nx-os-interfaces-configuration-guide-92x_chapter_0110.html

QUESTION 3

An engineer must upgrade the server firmware for which the service profile is configured with a host firmware package. Which action must be taken to accomplish this goal?

A. Disassociate the service profile from the server and upgrade.

B. Change the maintenance policy to user-ack and upgrade.

C. Upgrade the server through the host firmware package.

D. Perform a direct upgrade on the server using Auto Install.

Correct Answer: C

QUESTION 4

An engineer must configure multiple EPGs on a single access port in a large Cisco ACI fabric without using VMM integration. The relevant access policies and tenant policies have been created. A single AAEP is used to configure the access port in the fabric. Which two additional steps must be taken to complete the configuration? (Choose two.)

A. A contract must be defined between the EPGs

B. The EPGs must be linked to the correct physical domain

C. The EPGs must link directly to the corresponding AAEP

D. The corresponding bridge domains must be configured in legacy mode

E. The EPGs must be configured as static ports

Correct Answer: BE

QUESTION 5

An engineer wants to create a backup of Cisco UCS Manager for disaster recovery purposes. What are two characteristics of a full state backup of a Cisco UCS Manager database? (Choose two.)

A. performs a complete binary dump of the database as a txz file

B. contains all of the configurations

C. performs a complete binary dump of the database as a bin file

D. performs a complete binary dump of the databases as a sql file

E. contains all of the runtime states and statuses but not the configurations

Correct Answer: BC

Backup Types You can perform one or more of the following types of backups through Cisco UCS Manager:

Full state"A binary file that includes a snapshot of the entire system. You can use the file generated from this backup to restore the system during disaster recovery. This file can restore or rebuild the configuration on the original fabric

interconnect or recreate the configuration on a different fabric interconnect. You cannot use this file for an import.

Reference:

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter43.html

QUESTION 6

DRAG DROP A storage engineer must configure zoning on a Cisco MDS 9000 Series switch. Drag and drop actions from the left into the order on right

Select and Place:

zone name Zone1 vsan 4	Step 1
member pwwn 10:00:00:23:45:67:89:ac	Step 2
zoneset activate name Zoneset1 vsan 4	Step 3
member Zone1	Step 4
copy running-config startup-config	Step 5
zoneset name Zoneset1 vsan 4	Step 6

Correct Answer:

	zone name Zone1 vsan 4
	member pwwn 10:00:00:23:45:67:89:ac
	zoneset name Zoneset1 vsan 4
	member Zone1
	zoneset activate name Zoneset1 vsan 4
	copy running-config startup-config

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/fabric/nx-os/nx_os_fabric/zone.html

QUESTION 7

What does this configuration create?

```
<fvTenant name="Tenant4A34BC694DE22">
   <fvCtx name="CTX1"\>
      <!-Create bridge domain and enable routing-->
      <fvBD name="bd1" unicastRoute="yes">
         <!-Associate the bridge domain with L3 outside connection-->
         <fvRsBDToOut tnL3extOutName='L3Out-1'/>
         <fvSubnet ip="10.10.10.10/16"/>
         <fvSubnet ip="10.20.10.10/16"/>
         <fvSubnet ip="209.165.201.1/27" scope="public"/>
         <fvRsCtx tnFvCtxName="CTX1"/>
      </fvBD>
</fvTenant>
```

A. three subnets within a bridge domain

B. a CTX1 tenant

C. an L3OUT-1 bridge domain

D. two L3Out domains

Correct Answer: A

QUESTION 8

Refer to the exhibit.

An engineer installs a new Cisco UCS B-Series server. The requirement is to install an operating system on a LUN that is provided by the Fibre Channel storage array. Which two steps must be configured in the boot policy to accomplish this goal? (Choose two.)

A. Disable Enforce vNIC^HBA/ISCSI Name

B. Add Local CD/DVD and SAN Boot.

C. Configure a SAN Boot Target with a WWPN

D. Set Boot Order to External USB and LAN Boot

E. Create (SCSI VNICs and add Local LUN

Correct Answer: BC

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Server-Mgmt/4-2/b_Cisco_UCS_Manager_Server_Mgmt_Guide_4_2/chapter_01010.html#task_mhw_dvy_5db

QUESTION 9

What happens to the default host firmware policy after a Cisco UCS Manager upgrade?

A. It is updated to contain the firmware entries of all the components

B. It is replaced by a new default policy without any firmware entries.

C. It is assigned to all the service profiles that include a host firmware policy.

D. It is set to match the host firmware policy.

Correct Answer: B

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b_UCSM_GUI_Firmware_Management_Guide_3_1/b_UCSM_GUI_Firmware_Management_Guide_3_1_chapter_0111.html

QUESTION 10

An engineer must configuration a backup and restore of Cisco UCS Manager during the weekend maintenance windows. The configuration must be restored to its original state on Monday morning. The end users can make changes only to the Service Profile configuration. Which set of actions meets these requirements?

A. Schedule a system backup to run at the start of every weekend and manually import the backup on Monday morning.

B. Schedule a system backup to run at the start of every weekend and schedule the import of the backup to run on Monday morning.

C. Schedule a logical backup to run at the start of every weekend and manually import the backup on Monday morning.

D. Schedule a logical backup to run at the start of every weekend and schedule the import of the backup to run on Monday morning.

Correct Answer: B

QUESTION 11

Refer to the exhibit.

```
show install all impact epld bootflash:n9000-epld.6.1.2.I3.1.img
```

What is the outcome of this command when the ELPD is updated on a Cisco Nexus 9000 series switch?

A. displays the compatibility of the EPLD upgrade and the image in the bootflash

B. shows a simulated upgrade of the EPLD

C. upgrades the EPLD on the switch disruptively

D. displays the impact of the upgrade on the operation of the switch

Correct Answer: D

You can use the show install impact epld bootflash: command to determine whether the EPLDs can be upgraded for all the modules or for specific modules on a switch. This command indicates the current EPLD images, new EPLD images,

and whether the upgrades would be disruptive to switch operations.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/epld/n9k-epld-rn-61.html

QUESTION 12

A customer data center experiences bandwidth contention that affects the servers connected to the NPV enabled switch The NPV switch is connected to the NPIV switch using two 10 Gb uplinks but the traffic originating front the connected hosts to the core switch exceeds the available bandwidth The engineers decided to add a third uplink to the NPV server to increase the available bandwidth.

Which set of commands must be used to provision the new uplink?

A. switch2(config)# npv auto-load-balance ! uplink to NPV Core switch2(config-if)# switchport mode npiv

B. switch2(config)# npv traffic-map server-interface ! uplink to NPV Core switch2(config-if)# switchport mode npiv

C. switch2(config)# npv auto-load-balance disruptive ! uplink to NPV Core switch2(config-if)# switchport mode np

D. switch2(config)# port-channel load-balance ethernet source-dest-port ! uplink to NPV Core switch2(config-if)# switchport mode np

Correct Answer: C

FC NPV supports disruptive load balancing of server logins. When disruptive load balancing is enabled, FC NPV redistributes the server interfaces across all available NP uplinks when a new NP uplink becomes operational. To move a server

interface from one NP uplink to another NP uplink, FC NPV forces reinitialization of the server interface so that the server performs a new login to the core switch.

Only server interfaces that are moved to a different uplink are reinitialized. A system message is generated for each server interface that is moved.

Note

Redistributing a server interface causes traffic disruption to the attached end devices. Adding a member to the existing port-channel does not trigger disruptive auto load-balance.

To avoid disruption of server traffic, you should enable this feature only after adding a new NP uplink, and then disable it again after the server interfaces have been redistributed.

If disruptive load balancing is not enabled, you can manually reinitialize some or all of the server interfaces to distribute server traffic to new NP uplink interfaces.

QUESTION 13

Several production and development database servers exist in the same EPG and IP subnet. The IT security policy is to prevent connections between production and development. Which attribute must be used to assign the servers to different microsegments?

A. Data center

B. VMM domain

C. VM name

D. IP address

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/3-x/virtualization/b_ACI_Virtualization_Guide_3_0_1/b_ACI_Virtualization_Guide_3_0_1_chapter_01 00.html

QUESTION 14

A QoS policy on Cisco UCS must meet these requirements:

1.

No-drop class must be configured.

2.

Jumbo frames must be enabled without fragmentation.

Which configuration must be implemented to mast these conditions?

A. Configure slow-drain timers and specify an MTU value of 9100 bytes.

B. Create a Flow Control Policy and specify an MTU value of 9000 bytes.

C. Create a QoS system class and specify an MTU value of 9216 bytes.

D. Configure Platinum system class and specify an MTU value of 9100 bytes.

Correct Answer: D

QUESTION 15

What is the format of this output?

```
{
    "ins_api": {
        "type": "cli_show",
        "version": "1.0",
        "sid": "eoc",
        "outputs": {
            "output": {
            "input": "show hostname",
            "msg": "Success",
            "code": "200",
                "body": {
                    "hostname": "sbx-438device09981kv"
                }
            }
        }
    }
}
```

A. SOAP

B. YAML

C. XML

D. JSCN

Correct Answer: D

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