

Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies

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NEW QUESTION 1

Which virtual MAC address is the default for HSRP version 2 group 10?

- A. 0000.5E00.0110
- B. 0000.0C9F.F00A
- C. 3716.1350.1C0A
- D. 0000.0C9F.F010

Answer: B

NEW QUESTION 2

Refer to the exhibit.

```
ACI-Leaf1# show ip route vrf DATACENTER:DC
10.20.1.0/24, ubest/mbest: 1/0, attached, direct, pervasive
  *via 10.0.8.65%overlay-1, [1/0], 4w3d, static
172.16.100.0/24, ubest/mbest: 1/0
  *via 10.1.168.95%overlay-1, [200/5], 3wod, bgp-132, internal, tag 132 (mpls-vpn)
172.16.99.0/24, ubest/mbest: 1/0
  *via 10.0.1.14, [20/0], 3wod, bgp-132, external, tag 200
```

Which two statements about the routing table of the leaf switch are true? (Choose two.)

- A. 10.20.1.0/24 is a BD subnet in ACI.
- B. The next hop 10.0.1.14 for route 172.16.99.0/24 is the TEP address of a border leaf in ACI.
- C. 172.16.100.0/24 is a BD subnet in ACI.
- D. The next hop 10.1.168.95 for route 172.16.100.0/24 is the TEP address of a border leaf in ACI.
- E. The next hop 10.0.8.65 for route 10.20.1.0/24 is the TEP address of a border leaf in ACI.

Answer: AE

NEW QUESTION 3

Refer to the exhibit.

```
N7K-1
interface Vlan165
  no shutdown
  no ip redirects
  ip address 10.16.165.2/27
  no ipv6 redirects
  hsrp version 2
  hsrp 165
    preempt
    priority 150
    ip 10.16.165.1

vpc domain 100
  role priority 100
  peer-keepalive destination 10.1.1.2 source 10.1.1.1
vrf default
  delay restore 60
  peer-gateway
  auto-recovery
  ip arp synchronize

N7K-2
interface Vlan165
  no shutdown
  no ip redirects
  ip address 10.16.165.3/27
  no ipv6 redirects
  hsrp version 2
  hsrp 165
    priority 50
    ip 10.16.165.1

vpc domain 100
  role priority 200
  peer-keepalive destination 10.1.1.1 source 10.1.1.2
vrf default
  delay restore 60
  peer-gateway
  auto-recovery
  ip arp synchronize
```

Which statement about the default gateway configuration of the vPC is true?

- A. Either switch can act as the active default gateway.
- B. N7K-1 acts as the default gateway for all traffic.
- C. N7K-2 forwards traffic that is destined for the default gateway by using the peer link.
- D. N7K-2 acts as the default gateway for all traffic.

Answer: A

NEW QUESTION 4

Refer to the exhibit.

```
Start time: Mon Apr 15 09:23:01 2019
Last election time: Mon Apr 15 09:24:24 2019
A: UP, PRIMARY
B: UP, SUBORDINATE
A: memb state UP, lead state PRIMARY, mgmt services state: UP
B: memb state UP, lead state SUBORDINATE, mgmt services state: UP
heartbeat state PRIMARY_OK
INTERNAL NETWORK INTERFACES:
eth1, UP
eth2, UP
HA NOT READY
No device connected to this Fabric Interconnect
```

What must be connected to clear the HA NOT READY status?

- A. Layer 1-Layer 2 ports
- B. server chassis
- C. management ports
- D. network uplinks

Answer: B

NEW QUESTION 5

Refer to the exhibit.

```
N7K-1
spanning-tree vlan 1-10 priority 8192

vpc domain 100
 role priority 100
 peer-keepalive destination 10.1.1.2 source 10.1.1.1
vrf default
 delay restore 60
 peer-switch
 auto-recovery
 ip arp synchronize

N7K-2
spanning-tree vlan 1-10 priority 8192

vpc domain 100
 role priority 200
 peer-keepalive destination 10.1.1.1 source 10.1.1.2
vrf default
 delay restore 60
 peer-switch
 auto-recovery
 ip arp synchronize
```

The STP priority of N7K-1 and N7K-2 are the lowest in the network. Which statement describes STP on the vPC?

- A. N7K-1 and N7K-2 appear as a single STP root.
- B. N7K-1 appears as the STP root.
- C. N7K-1 preempts N7K-2 as the STP root.
- D. N7K-2 appears as the STP root.

Answer: A

NEW QUESTION 6

Host1 is in VLAN100 located in DataCenter1 and Host2 is in VLAN200 located in DataCenter2.
 Which OTV VLAN mapping configuration allows Layer 2 connectivity between these two hosts?

- A.

DC1:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

DC2:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

B.

DC1:
interface Overlay1
otv extend-vlan 100
otv vlan mapping 100 to 200

DC2:
interface Overlay1
otv extend-vlan 200

C. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay2
otv extend-vlan 200

D. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay1
otv extend-vlan 200

Answer: A

NEW QUESTION 7

Refer to the exhibit.

```
switch(config)# interface Ethernet 2/2  
switch(config)# ip address 172.23.231.240/23  
switch(config)# ip verify unicast source reachable-via rx
```

What is configured as a result of running these commands?

- A. loose unicast RPF
- B. strict unicast RPF
- C. IP Source Guard
- D. reverse lookup for outbound packets

Answer: B

NEW QUESTION 8

Which configuration implements static ingress replication?

- A. **interface nve 1**
member vni 3716135
ingress-replication protocol bgp
- B. **interface nve 1**
member vni 3716135
peer vtep 10.0.0.4
- C. **interface nve 1**
member vni 3716135
peer vtep 10.0.0.4
ingress-replication protocol static
peer-ip 10.0.0.4
- D.


```
interface nve 1
member vni 3716135
ingress-replication protocol static
peer-ip 10.0.0.4
```

Answer: D

NEW QUESTION 9

A customer has a requirement to deploy a cloud service and needs to have full control over the underlying OS, data and applications. Which cloud model meets this requirement?

- A. MaaS
- B. PaaS
- C. SaaS
- D. IaaS

Answer: D

NEW QUESTION 10

What are two capabilities of the Cisco Network Assurance Engine? (Choose two.)

- A. It validates that devices comply with network security policies.
- B. It predicts the impact of changes to the network.
- C. It predicts the network load on a data center.
- D. It ensures that network performance meets an SLA.
- E. It verifies the speed of network packet flows by using telemetry.

Answer: AB

NEW QUESTION 10

Which method must a network engineer use to upgrade the BIOS firmware or a Cisco UCS standalone C-Series rack-mount server?

- A. Use the U-ACPI Interface.
- B. Use the Cisco host upgrade utility.
- C. Use the Cisco hardware upgrade utility.
- D. Use the Cisco host firmware policy.

Answer: B

NEW QUESTION 15

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. contains all of the runtime states and statuses but not the configurations
- B. performs a complete binary dump of the database as a .bin file
- C. performs a complete binary dump of the database as a .sql file
- D. performs a complete binary dump of the database as a .txz file
- E. contains all of the configurations

Answer: BE

NEW QUESTION 17

An engineer is asked to use SaaS to manage Cisco computing. Which two items are needed to accomplish the task? (Choose two.)

- A. Intersight
- B. UCS Central
- C. Device/Claim ID
- D. Node name/Serial Number
- E. UCS Manager

Answer: AE

NEW QUESTION 22

Which two settings must be configured before enabling a Cisco UCS Manager domain for Cisco Intersight connectivity? (Choose two.)

- A. SMTP servers
- B. SMTP reply-to address
- C. NTP servers
- D. syslog redirection
- E. DNS servers

Answer: CE

NEW QUESTION 24

Where is the witness deployed in a two-node Cisco HyperFlex Edge deployment?

- A. to the HyperFlex Edge two-node cluster
- B. to Cisco Intersight
- C. to a third-party cloud provider
- D. to an additional server with network access to HyperFlex Edge

Answer: B

NEW QUESTION 25

What is the benefit of adding Cisco HyperFlex Hardware Acceleration Cards to a HyperFlex deployment?

- A. increased compression efficiency
- B. increased network throughput
- C. GPU acceleration
- D. offline encryption acceleration

Answer: A

NEW QUESTION 26

When the default firmware package is set to a new version, which type of policy determines the limiting of server reboots during the firmware upgrade?

- A. diagnostics
- B. maintenance
- C. local disk
- D. BIOS

Answer: B

NEW QUESTION 29

Which statement about the impact of a rolling EPLD upgrade on a Cisco MDS 9000 Series Switch is true?

- A. The upgrade can be performed from the standby supervisor module.
- B. Only the modules that are being upgraded are disrupted.
- C. All modules on the switch are disrupted.
- D. An EPLD upgrade is nondisruptive.

Answer: B

NEW QUESTION 33

Which command reduces the amount of time it takes to complete the ISSU on a Cisco Nexus 7000 Series Switch that has dual supervisor modules and two I/O modules?

- A. install all epld bootflash:<image> parallel
- B. install all kickstart <image> system <image> parallel
- C. install all kickstart <image> system <image>
- D. install all epld bootflash: <image>

Answer: B

NEW QUESTION 36

Which two statements about the process at upgrading an EPLD on a Cisco MDS 9000 Series Switch are correct? (Choose two.)

- A. EPLDs can be upgraded only to the latest EPLD image.
- B. EPLD upgrades can be completed without powering down the module during the upgrade.
- C. An upgrade verification identifies the impact of each EPLD upgrade.
- D. The EPLDs for all the modules on a switch must be upgraded at the same time.
- E. EPLDs can be upgraded without replacing the hardware.

Answer: CE

NEW QUESTION 41

What is an advantage of NFS as compared to Fibre Channel?

- A. NFS removes the impact of IP overhead.
- B. NFS enables thin provisioning for LUNs.
- C. NFS provides direct access to the underlying storage hardware.
- D. NFS provides the dynamic allocation of storage capacity.

Answer: B

NEW QUESTION 45

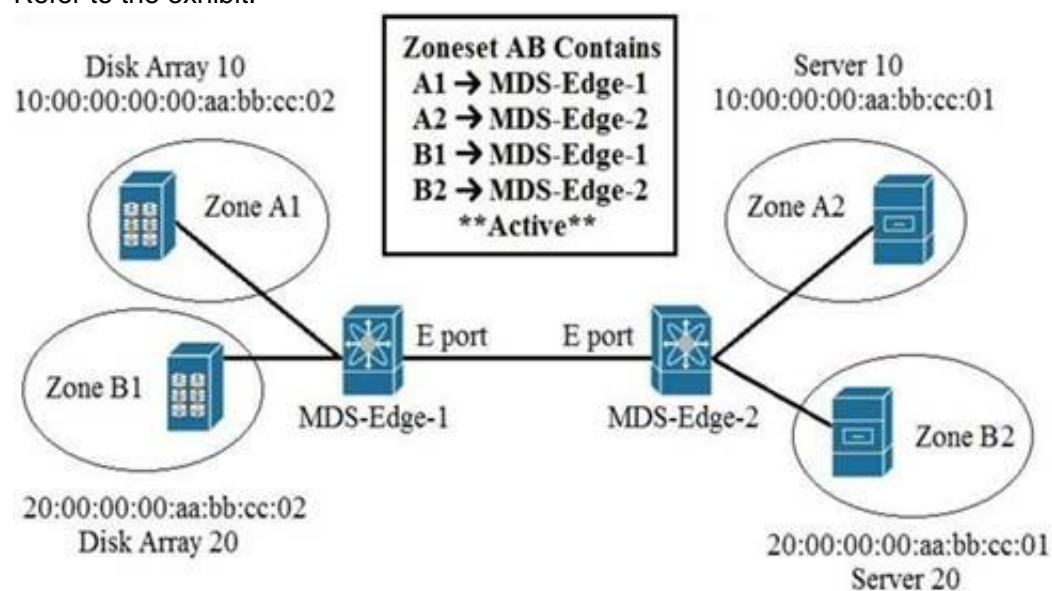
What are two types of FC/FCoE oversubscription ratios? (Choose two.)

- A. switch processing power to end-node processing power
- B. port bandwidth to uplink bandwidth
- C. server storage to end-node count
- D. edge ISL bandwidth to core ISL bandwidth
- E. host bandwidth to storage bandwidth

Answer: DE

NEW QUESTION 47

Refer to the exhibit.



An engineer is implementing zoning on two Cisco MDS switches. After the implementation is finished, E Ports that connect the two Cisco MDS switches become isolated. What is wrong with the implementation?

- A. Zones are local to the MDS switch and name service must be used to activate the connection between E Ports.
- B. Different zone set names must be configured on both MDS switches.
- C. Zones must have the same name on both MDS switches for the E Ports to function.
- D. E Ports on both MDS switches must be configured as F Ports for the zoning to function.

Answer: A

NEW QUESTION 52

An engineer is implementing FCoE.

Which aspect of DCBXP on a Cisco Nexus switch affects this implementation?

- A. It requires that LLDP transmit and LLDP receive are enabled on the FCoE interface.
- B. It uses the Cisco Fabric Services protocol to exchange parameters between two peer links.
- C. It provides the authentication of peers on the Cisco Nexus switch.
- D. It always is enabled on 10/100-Mbps native Ethernet ports.

Answer: A

NEW QUESTION 57

An engineer is implementing NPV mode on a Cisco MDS 9000 Series Switch.

Which action must be taken?

- A. NPIV must be enabled on the upstream switch.
- B. The FCNS database must be disabled in the fabric.
- C. A port channel must be configured to the upstream switch.
- D. All switches in the fabric must be Cisco MDS switches.

Answer: A

NEW QUESTION 60

A customer has a requirement for an automation solution that supports periodically acquiring configuration from a centralized server and aligning UCS servers to their desired state. Which open-source tool meets this requirement?

- A. SaltStack
- B. Kubernetes
- C. Puppet
- D. Terraform

Answer: C

NEW QUESTION 65

What is an advantage of using Ansible for automation as compared to Puppet and Chef?

- A. Ansible performs automation without installing a software agent on the target node.
- B. Ansible abstracts a scenario so that one set of configuration settings can be used across multiple operating systems.
- C. Ansible automates the enforcement of configuration settings.
- D. Ansible configures a set of CLI commands on a device by using NETCONF.

Answer: A

NEW QUESTION 68

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

- A. XML management interface
- B. SSH
- C. Open Agent Container
- D. NX-API

Answer: D

NEW QUESTION 70

What is required for using Puppet in a Cisco NX-OS environment?

- A. OpenNP
- B. XML management interface
- C. NX-API
- D. Open Agent Container

Answer: D

NEW QUESTION 74

Which two components should be checked when a Cisco Nexus 9000 Series Switch fails to boot using POAP? (Choose two.)

- A. POAP feature license
- B. DHCP server to bootstrap IP information
- C. image noted in the script file against switch bootflash
- D. script signed with security key
- E. TFTP server that contains the configuration script

Answer: BE

NEW QUESTION 79

A POAP-enabled Cisco Nexus switch will not enter POAP mode.
Which two conditions should be verified? (Choose two.)

- A. No startup configuration is available.
- B. The switch is in bootstrap process.
- C. The license file is missing on the switch.
- D. Bootflash must contain a special directory named POAP with poap.py file.
- E. No Cisco NX-OS image is present on the bootflash.

Answer: AB

NEW QUESTION 83

An engineer enters these commands while in EEM on a Cisco Nexus 9000 Series Switch
event manager applet Backup-config event timer watchdog time 1800 name timer event cli match "copy running-config startup-config" What is the result of applying this configuration?

- A. It generates an error because no action is mentioned.
- B. It executes the copy running-config startup-config command.
- C. It saves the running configuration every 1800 seconds.
- D. It blocks the copy running-config startup-config command.

Answer: A

NEW QUESTION 88

Which configuration generates a syslog message when CPU utilization is higher than 60%?

- A. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- B. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- C. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- D. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"

Answer: A

NEW QUESTION 93

Which feature must be enabled to support the use of JSON and XML encodings when a Cisco Nexus 7000 Series Switch is deployed?

- A. Bash shell

- B. NX-API
- C. Open Agent Container
- D. LLDP

Answer: B

NEW QUESTION 95

An engineer is enabling port security on a Cisco MDS 9000 Series Switch.
Which feature of enabling port security on a Cisco MDS 9000 Series Switch must be considered?

- A. It can be distributed by using Cisco Fabric Services.
- B. It authorizes only the configured sWWN to participate in the fabric.
- C. It always learns about switches that are logging in.
- D. It binds the fabric at the switch level.

Answer: A

NEW QUESTION 98

When a strict CoPP policy is implemented, which statement describes an event during which packets are dropped?

- A. A large system image is copied to a switch by using the default VRF.
- B. Fifteen SSH sessions remain connected to the switch.
- C. A ping sweep is performed on a network that is connected through a switch.
- D. A web server that is connected to a switch is affected by a DDoS attack.

Answer: D

NEW QUESTION 99

A host in EPG Client wants to talk to a webserver in EPG Web. A contract with default settings is defined between EPG Client and EPG Web, which allows TCP communication initiated by the client toward the webserver with TCP destination port 80.
Which statement is true?

- A. If EPG Web is made a preferred group member, a contract between EPG Client and EPG Web is no longer required for the host in EPG Client to reach the webserver in EPG Web.
- B. If vzAny is configured to consume and provide a "deny all" contract, traffic between EPG Client and EPG Web is no longer allowed.
- C. The host in EPG Client can connect to TCP destination port 80 on the webserver in EPG We
- D. The webserver will not be able to initiate a separate TCP connection to a host port with TCP source port 80.
- E. The host in EPG Client can connect to TCP destination port 80 on the webserver in EPG We
- F. The webserver can initiate a separate TCP connection to a host port with TCP source port 80.

Answer: D

NEW QUESTION 103

An engineer is running an ACI fabric, has VMM integration with VMware vCenter, and wants to enable microsegmentation based on vCenter VM attributes. Which statement about microsegmentation is true?

- A. ACI does not support microsegmentation based on vCenter VM attribute
- B. You should use network attributes for microsegmentation.
- C. When enabled, microsegmentation performs distributed switching and routing on the ESXi hosts.
- D. Microsegmentation is supported only using AVE or AVS.
- E. An ACI microsegmented EPG automatically creates a port group with a private VLAN configured on a VMware vCenter distributed virtual switch.

Answer: D

NEW QUESTION 104

Refer to the exhibit.

```
NEXUS(config)# feature tacacs+
NEXUS(config)# tacacs-server timeout 5
NEXUS(config)# tacacs-server directed-request
NEXUS(config)# tacacs-server deadtime 0
NEXUS(config)# tacacs server host 10.1.50.20 port 49
NEXUS(config)# tacacs-server host 10.1.50.20 key 7 "Flwhgl23" timeout 1
NEXUS(config)# aaa group server tacacs+ ISE
NEXUS(config-tacacs+)# server 10.1.50.20
NEXUS(config-tacacs+)# deadtime 10
NEXUS(config-tacacs+)# use-vrf management
NEXUS(config-tacacs+)# source-interface mgmt 0
NEXUS(config)# aaa authentication login default group ISE
```

What is the result of implementing this configuration?

- A. The switch queries the TACACS+ server by using an encrypted text PAP login.
- B. The TACACS+ server uses the type-6 encrypted format.
- C. The switch queries the TACACS+ server by using a clear text PAP login.
- D. The timeout value on the TACACS+ server is 10 seconds.

Answer: D

NEW QUESTION 106

Refer to the exhibit.

The screenshot shows the 'User Services' configuration window. The 'Locally Authenticated Users' tab is selected. Under the 'Password Profile' section, the following settings are visible:

- Change Interval: 48
- No Change Interval: 24
- Change During Interval: ☒ Enable ☐ Disable
- History Count: 5
- Change Count: 2

Below the settings is a table with the following data:

Name
admin
test

At the bottom right of the window are buttons for 'Save Changes' and 'Reset Values'.

Which setting must be configured to prevent the reuse of passwords?

- A. Change Interval
- B. No Change Interval
- C. History Count
- D. Change Count

Answer: C

NEW QUESTION 107

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