

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.

Which statement about the ERSPAN configuration in this environment is true?

- A. The session number of the source of ERSPAN spanned traffic must have a session ID of 47 for the traffic analyzer to receive the traffic.
- B. Host B is the source of ERSPAN spanned traffic and host A is the traffic analyzer.
- C. The session number of the source of ERSPAN spanned traffic must have a session ID of 48 for the traffic analyzer to receive the traffic.
- D. Host A is the source of ERSPAN spanned traffic and host B is the traffic analyzer.

Answer: D

NEW QUESTION 3

A small remote office is set to connect to the regional hub site via NSSA ASBR.
Which type of LSA is sent to the remote office OSPF area?

- A. type 7 LSA
- B. type 1 LSA
- C. type 5 LSA
- D. type 3 LSA

Answer: A

NEW QUESTION 4

The engineer must configure SPAN on a Cisco Nexus 5000 Series Switch to get a capture of the traffic from these applications for an in-depth packet analysis.
Which two SPAN characteristics must be considered? (Choose two.)

- A. SPAN source ports can be monitored in multiple SPAN sessions.
- B. The Ethernet, FC, vFC, port channel, SAN port channel can be used as SPAN source ports.
- C. A SPAN source port cannot be a destination SPAN port.
- D. Only Ethernet, FC, vFC, port channel port types can be used as SPAN source ports.
- E. The rx/tx option is available for VLAN or VSAN SPAN sessions.

Answer: BC

NEW QUESTION 5

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?

C.

D.

Answer: A

NEW QUESTION 6

Refer to the exhibit.

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 7

Refer to the exhibit.

A network engineer is setting up a multihomed OTV network. The first site has been set up with a primary and secondary adjacency server. Which configuration must be added on the remote OTV AEDs site? A.

Answer: C

NEW QUESTION 8

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 9

Due to a major version change, an engineer must perform a software upgrade on a Cisco Nexus Series switch. Which two technologies can be implemented to reduce disruptions to the network during the upgrade? (Choose two.)

- A. vPC
- B. HSRP
- C. VDC
- D. MLAG
- E. PAgP

Answer: AC

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

What is an advantage of streaming telemetry over SNMP?

- A. on-change traps sent to a receiver
- B. periodic push-based subscription messages
- C. periodic polling of the device status
- D. MD5-based authentication on polling

Answer: B

NEW QUESTION 12

APIC EPG Resolution Immediacy is set to "Immediate".

Which statement is true about the Deployment Immediacy for VMM domains associated to EPGs?

- A. If "On demand" is selected, the policy is programmed in the hardware only when the first packet is received through the data path.
- B. If "Immediate" is selected, the policy is programmed in the hardware as soon as the leaf is booted.
- C. The "Immediate" and "On demand" options require a port group to be created on the VDS.
- D. If "On demand" is selected, the policy is programmed in the hardware only when the APIC detects a VM created in the EPG.

Answer: A

NEW QUESTION 16

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 20

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 24

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 28

An engineer is seeking the most optimal on demand CPU performance while configuring the BIOS settings of a UCS C-series rack mount server.
What setting will accomplish this goal?

- A. C6 Retention
- B. C6 non-Retention
- C. C2 state
- D. C0/C1 state

Answer: A

NEW QUESTION 31

An engineer is duplicating an existing Cisco UCS setup at a new site.
What are two characteristics of a logical configuration backup of a Cisco UCS Manager database? (Choose two.)

- A. contains the configured organizations and locales
- B. contains the VLAN and VSAN configurations
- C. contains the AAA and RBAC configurations
- D. contains all of the configurations
- E. contains a file with an extension tgz that stores all of the configurations

Answer: BC

NEW QUESTION 36

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 38

An engineer must configure Cisco IMC server management NIC for autonegotiation.
Which setting should be selected?

- A. shared LOM
- B. Cisco card
- C. dedicated
- D. shared LOM EXT

Answer: C

NEW QUESTION 41

A network engineer is adding a Cisco HyperFlex data platform to the Cisco Intersight management portal.
Which two components are required for Intersight to claim the Cisco HyperFlex data platform? (Choose two.)

- A. device FQDN
- B. device claim code
- C. device public IP address
- D. device ID
- E. device serial number

Answer: BD

NEW QUESTION 43

DRAG DROP

An engineer deploys a custom guest shell rootfs onto multiple switches. Drag and drop the steps from the left into the correct order on the right. Export the Guest Shell rootfs.
Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 44

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 46

Which two statements about the process of performing an EPLD upgrade on a Cisco MDS 9000 Series Switch are true? (Choose two.)

- A. The upgrade can be performed from the standby supervisor module.
- B. The upgrade process disrupts only the module that is being upgraded.
- C. The active supervisor can be upgraded.
- D. If an upgrade is interrupted, the upgrade continues after a connection is restored.
- E. Modules must be online to be upgraded.

Answer: AB

NEW QUESTION 51

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 56

Refer to the exhibit.

What is the outcome of this command when the EPLD 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

Answer: A

NEW QUESTION 61

Refer to the exhibit.

Which backup operation type does not include the Preserve Identities feature?

- A. full state
- B. all configuration
- C. logical configuration
- D. system configuration

Answer: C

NEW QUESTION 64

Refer to the exhibit.

Which action must be taken before the maintenance policy can be committed?

- A. Specify a maintenance time by selecting a schedule.
- B. Associate a service profile to the maintenance policy.
- C. Set the soft shutdown timer to a specific time.
- D. Set the policy to apply the changes on the next reboot.

Answer: A

NEW QUESTION 65

An engineer must implement a Cisco UCS system at a customer site. One of the requirements is to implement SAN boot. The storage system maps the source WWPN to a unique LUN. Which method does Cisco recommend to configure the SAN boot?

- A. Define the vHBAs as bootable and leave the boot target definition empty.

- B. Create a SAN boot policy in which every initiator is mapped to a different target LUN.
- C. Define the vHBAs as bootable and leave the default values on the boot target definition.
- D. Create a SAN boot policy in which every initiator is mapped to the same target LUN.

Answer: D

NEW QUESTION 69

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 72

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 77

Which statement about the MAC address that the FCoE Initialization Protocol chooses for use by an E-Node in an FCoE implementation is true?

- A. The FCoE Initialization Protocol uses a 24-bit FC-MAP and concatenates a 24-bit Fibre Channel ID to create a fabric-provided MAC address.
- B. The FCoE Initialization Protocol uses the burned-in MAC address of the converged network adapter for all FCoE operations.
- C. FCoE does not use a MAC address.
- D. The FCoE Initialization Protocol is used to acquire a Fibre Channel ID, and the address is used for all FCoE communications in the same way as Fibre Channel Protocol.
- E. The FCoE Initialization Protocol uses 01.00.0C as the first 24 bits of the MAC address and appends a 24-bit Fibre Channel ID to derive a full 48-bit FCoE MAC address.

Answer: AB

NEW QUESTION 78

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 82

An engineer must ensure fabric redundancy when implementing NPV mode on a Cisco MDS 9000 Series Switch. Which action enables fabric redundancy?

- A. Use TE ports to connect to upstream switches.
- B. Add a port channel to upstream switches.
- C. Configure the NPV devices to use an external FLOGI database.
- D. Connect the NPV devices to multiple upstream switches.

Answer: B

NEW QUESTION 86

Refer to the exhibit.

What is the result of implementing this configuration?

- A. The Fibre Channel interface is configured for SPAN.
- B. The Fibre Channel interface is configured for source distribution.
- C. The Fibre Channel interface is configured for FSPF.
- D. The Fibre Channel interface is configured for synchronization distribution.

Answer: A

NEW QUESTION 87

Which two methods are available to manage an ACI REST API session authentication when a user is unauthenticated? (Choose two.)

- A. POST to aaaUserLogin
- B. GET to aaaListDomains
- C. GET aaaRefresh
- D. DELETE to aaaLogout
- E. POST to aaaLogin

Answer: CE

NEW QUESTION 90

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 94

Refer to the exhibit.

Why does the Python code for Cisco NX-API print an error message?

- A. The JSON is not a supported format for the NX-API.
- B. The "type" is wrong in the header of the request and should be "cli_conf"

- C. NX-API does not allow configuration for features via the requests module.
- D. The "type" is wrong in the body of the request and should be "cli_conf"

Answer: C

NEW QUESTION 96

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 99

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 bootup 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 102

An engineer is asked to modify an overridden policy by changing the number of FCNS database entries to 1500 and then generate a message.
What Configuration will accomplish this task?

- A. event manager applet fcns_policyevent fcns entries max-per-switch 1500action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit action2.0 policy-default
- B. event manager applet fcns_policy override fcns_entries_max_per_switchaction 1.0 syslog priority errors "CNS DB entries have reached the EEM limit" action 2.0 policy-default
- C. event manager applet fcns_policy override fcns_entries_max_per_switchevent fcns entries max-per-switch 1500action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit
- D. event manager applet fcns_policy action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit action 2.0 event-default

Answer: C

NEW QUESTION 104

Refer to the exhibit.

An engineer configures a new application profile using REST API and receives this error message. Which method can be used before the application profile can be configured?

- A. GET to aaaListDomains
- B. POST to aaaRefresh
- C. POST to aaaLogin
- D. POST to aaaLogout

Answer: C

NEW QUESTION 105

An engineer is asked to manage a large-scale data center and collect information from multiple Cisco NX-OS devices using Cisco NX-OS Data Management Engine model.
Which technology should be used to accomplish this goal?

- A. NETCONF
- B. NX Yang
- C. NX-API REST
- D. JSON-RPC

Answer: C

NEW QUESTION 108

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 112

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 115

DRAG DROP

An engineer is implementing security on the Cisco MDS 9000 switch.
Drag and drop the descriptions from the left onto the correct security features on the right.
Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 118

What is a feature of NFS?

- A. zone-based access control
- B. Kerberos-based security model
- C. block-based file access
- D. role-based access control

Answer: B

NEW QUESTION 120

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 122

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 127

DRAG DROP

Drag and drop the storage technologies from the left onto the correct descriptions on the right.
Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 130

Refer to the exhibit.

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 134

Refer to the exhibit.

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 135

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