

300-625 Dumps

Implementing Cisco Storage Area Networking (DCSAN)

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NEW QUESTION 1

Which two steps are mutual between Cisco secure boot and UEFI secure boot? (Choose two.)

- A. bootloader
- B. operating system
- C. microloader
- D. kernel
- E. hardware anchor

Answer: AB

NEW QUESTION 2

Which component is initially responsible for loading the kickstart image on Cisco MDS Switches?

- A. ROMMON
- B. BIOS
- C. NX-OS
- D. BASH

Answer: C

NEW QUESTION 3

Which configuration is available only in Cisco DCNM-SAN Advanced mode?

- A. IVR
- B. VMpath configuration
- C. zoning
- D. template-based provisioning

Answer: A

NEW QUESTION 4

What is the effect of a non-graceful virtual machine shutdown on a virtualized server that is connected to a SAN with Fibre Channel interfaces?

- A. NP Port reload connected to the upstream SAN switch
- B. out-of-service Fibre Channel interfaces on the SAN switch
- C. frames stuck in the storage system
- D. frames stuck in the HBA buffer of the server

Answer: B

NEW QUESTION 5

Which condition requires using a device alias rather than a Fibre Channel alias?

- A. The zone database must be distributed over the fabric.
- B. The same alias must be used in zoning as well as DPVM.
- C. All aliases being used are being configured in the same VSAN.
- D. Aliases must be saved within a central database on the fabric.

Answer: A

NEW QUESTION 6

Which result occurs if a device alias is renamed and then the original device alias name is used in an add command in the same session?

- A. Both commands execute successfully.
- B. The device alias is renamed and the add command is moved to the rejected list.
- C. Both commands are moved to the rejected list.
- D. The rename command is moved to the rejected list and the add command executes successfully.

Answer: A

NEW QUESTION 7

A storage network engineer is implementing a port channel for multiple FCIP interfaces with write acceleration in a client's storage network. Which channel mode must be used?

- A. on
- B. passive
- C. active
- D. force

Answer: C

NEW QUESTION 8

Which configuration is always required when running the setup utility on a Cisco MDS 9000 Series Switch?

- A. administrator password
- B. management IP address
- C. active NTP server
- D. active default gateway

Answer: A

NEW QUESTION 9

A network engineer is configuring a Cisco MDS switch for FCoE. Which two conditions must be considered during the implementation phase? (Choose two.)

- A. On Cisco MDS switches, system-defined class maps for class-FCoE and class-default are enabled but can be deleted.
- B. The QoS policy must be identical to other Cisco FCoE switches in the network.
- C. On the Cisco MDS, the MTU is set equal to 2112.
- D. VLAN 1 or the native VLAN can be mapped to an FCoE VSAN.
- E. FCoE is already enabled on a Cisco MDS switch.

Answer: BE

NEW QUESTION 10

Which EtherType is used by the FCoE Initialization Protocol?

- A. 0x8913
- B. 0x8914
- C. 0xxfc0e
- D. 0x8906

Answer: B

NEW QUESTION 10

What is the function of the 0xFFFFFC address in a Fibre Channel fabric?

- A. management server
- B. fabric controller
- C. name server
- D. time server

Answer: C

NEW QUESTION 13

Refer to the exhibit.

```
Switch 1
Ivr nat
ivr vsan-topology auto
ivr service-group name GROUP1
autonomous-fabric-id 100 vsan-ranges 1-3, 100
autonomous-fabric-id 1 switch 20:00:00:05:31:11:32:ac vsan-ranges 1
autonomous-fabric-id 1 switch 20:00:00:05:40:12:1e:dd vsan-ranges 1-3

Switch 2
ivr vsan-topology auto
ivr service-group name GROUP2
autonomous-fabric-id 100 vsan-ranges 1, 6-7, 200
autonomous-fabric-id 1 switch 20:00:00:05:31:11:32:ac vsan-ranges 1
autonomous-fabric-id 1 switch 20:00:00:05:40:12:1e:dd vsan-ranges 6-7
```

What is the result of merging the fabric?

- A. The merged fabric IVR VSAN topology is set to activate.
- B. The merged fabric has NAT enabled.
- C. The merge is invalid.
- D. The merged fabric contains only service group Group1.

Answer: D

NEW QUESTION 16

Refer to the exhibit.

```
interface Ethernet 1/10
  priority-flow-control mode auto
```

What is the result of the configuration?

- A. No-drop CoS values are advertised by the DCBX.
- B. LFC is prioritized over PFC on Ethernet 1/10.

- C. PFC operates on Ethernet 1/10 regardless of the capability of the peer.
D. PFC fails to operate properly unless LFC is disabled on Ethernet 1/10.

Answer: A

NEW QUESTION 18

Refer to the exhibit.

```
switch(config) # show zone status vsan 5
VSAN: 2 default-zone: deny distribute: full version Interop: default
mode: enhanced merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
rscan-format: fabric-address
activation overwrite control: enabled
Default zone:
qos: none broadcast: unsupported ronly: unsupported
Full Zoning Database :
DB size: 348 bytes
Zonesets: 2 Zones: 2 Aliases: 0 Attribute-groups: 1
Active Zoning Database :
DB size: 68 bytes
Name: zoneset Zonesets: 1 Zones: 1
Current Total Zone DB Usage: 416 / 2097152 bytes (0 % used)
Pending (Session) DB size:
Full DB Copy size: 0 bytes
Active DB Copy size: 0 bytes
SFC size: 0 / 2097152 bytes (0 % used)
Status: Commit completed at 12:10:29 UTC Jan 11 2019
```

Device alias information must be merged for two fabrics. Which setting must match on both fabrics before the merge can be performed successfully?

- A. device-alias mode
B. session
C. qos
D. smart-zoning

Answer: A

NEW QUESTION 22

Refer to the exhibit.

```
MDS-CORE# show running-config

role name VSAN-Admin
  rule 4 permit show
  rule 3 permit exec
  rule 2 permit debug
  rule 1 permit config
  vsan policy deny
```

A network engineer created a new user that uses the VSAN-Admin role on a Cisco MDS switch so a new colleague can manage the VSANs configured on the switch. Which action is required for the configuration to give permission to the new colleague?

- A. permit vsan 1-1000 must be configured as rule 5.
B. permit vsan 1-1000 must be configured as rule 1.
C. permit vsan 1-1000 must be configured under the VSAN policy deny.
D. permit vsan 1-1000 must be configured under the VSAN policy allow.

Answer: C

NEW QUESTION 23

A storage network engineer must configure a 48-port Cisco MDS switch to reject any login requests to VSAN 10 from unauthorized Fibre Channel devices and switches. All the devices that were already logged in to the switch from this VSAN must be allowed without any manual configuration. Which configuration must be applied?

- A. switch(config)# feature port-security switch(config)# port- security activate vsan 10
B. switch(config)# feature port- security switch(config)# port-security activate vsan 10 no auto- learn
C. switch(config)# feature port-security switch(config)# port-security database vsan 10 switch(config-port-security)# any-wwn interface fc1/1 – fc1/48
D. switch(config)# port-security activate vsan 10

Answer: D

NEW QUESTION 28

Which two protocols are used to implement SAN telemetry on Cisco MDS switches? (Choose two.)

- A. RPC transport
- B. GPB transport
- C. gRPC transport
- D. gRPC encoding
- E. GPB encoding

Answer: CE

NEW QUESTION 31

Refer to the exhibits.

Exhibit 1:

```
MDS-A# show zoneset vsan 100
zoneset name ZoneSetMDS-A-VSAN100- vsan 100
MDS-A# show zoneset brief vsan 100
zoneset name ZoneSetMDS-A-VSAN500 vsan 100
    zone Host1-Strg1
    zone Host2-Strg2
MDS-A# show zoneset active vsan 100
zoneset name ZoneSetMDS-A-VSAN100 vsan 100
    zone name Host1-Strg1 vsan 100
        pwwn 20:00:00:25:b5:fa:00:11
        pwwn 50:05:07:68:0d:05:ac:11
    zone name Host2-Strg2 vsan 100
        pwwn 20:00:00:25:b5:fa:00:22
        pwwn 50:05:07:68:0d:05:ac:22
MDS-A# show zone status vsan 100
VSAN: 100 default-zone: deny distribute: active only Interop: default
mode: basic merge-control: allow
session: none
hard-zoning: enabled broadcast: unsupported
smart-zoning: disabled
rscn-format: fabric-address
activation overwrite control: disabled
```

Output omitted for brevity

Exhibit 2:

```
MDS-A# show zoneset vsan 100
zoneset name ZoneSetMDS-B-VSAN100- vsan 100
    zone name Host3-Strg3 vsan 100
        pwwn 20:00:00:25:b5:fa:00:33
        pwwn 50:05:07:68:0d:05:ac:33

MDS-A# show zoneset brief vsan 100
zoneset name ZoneSetMDS-A-VSAN100 vsan 100
```

A storage network engineer activates a zoneset on MDS-A and verifies the successful activation (Exhibit 1). The engineer is then notified that there is a SAN outage (Exhibit 2) What is the cause of the outage?

- A. Another network engineer activated zoneset ZoneSetMDS-B-VSAN100 on MDS-A.
- B. Another network engineer issued the zone mode enhanced vsan 100 command on another switch in the fabric.
- C. Another network engineer activated the zoneset ZoneSetMDS-B-VSAN100 command on another switch in the fabric.
- D. Another network engineer issued the zone default-zone permit vsan 100 command on another switch in the fabric.

Answer: D

NEW QUESTION 32

Refer to the exhibit.

```
MDS-A# show run interface port-channel 2
interface port-channel2
channel mode active
switchport description ***Connected to FI***
switchport rate-mode dedicated

MDS-A# sh port-channel database
port-channel2
Administrative channel mode is active
Operational channel mode is active
Last membership update succeeded
First operational port is fc1/9
2 ports in total, 2 ports up
Ports: fc1/9 [up] *
fc1/10 [up]
```

A port channel has been configured between a Cisco MDS and a Cisco Fabric Interconnect switch. Which interface(s) in the port channel carry the control plane traffic?

- A. per packet, balanced between interfaces fc1/9 and fc1/10
- B. from interface fc1/9
- C. from interface fc1/10
- D. per flow, balanced between interfaces fc1/9 and fc1/10

Answer: D

NEW QUESTION 36

A storage administrator is upgrading Cisco NX-OS on a Cisco MDS switch. The administrator performs an ISSU upgrade following the configuration guide. While the install is proceeding, the administrator connects a new server to the switch, which cannot access storage. The existing servers continue to operate properly through the switch. Why is the new server failing to connect?

- A. The fabric data plane resets as part of the upgrade process.
- B. The new server is unable to log in to the fabric to receive an FC-ID.
- C. The upgrade process disables any currently unused ports.
- D. The zoning database is locked during the upgrade process.

Answer: D

NEW QUESTION 38

Refer to the exhibit.

```
MDS-A# show run
...
!Activate Zone Database Section for vsan 10
zone name Server11 vsan 10
  member pwn 11:11:11:11:11:11:11:11
  member pwn 11:11:11:11:11:11:11:12
zoneset name Zoneset10-A vsan 10
  member Server11
zoneset activate name Zoneset10-A vsan 10
...

MDS-B# show run
...
!Activate Zone Database Section for vsan 10
zone name Server11 vsan 10
  member pwn 11:11:11:11:11:11:11:11
  member pwn 11:11:11:11:11:11:11:12
  member pwn 11:11:11:11:11:11:11:13
zoneset name Zoneset10-B vsan 10
  member Server11
zoneset activate name Zoneset10-B vsan 10
...

MDS-A# show interface fc1/11
fc1/11 is trunking (Not All VSANs UP on the trunk)
Port description is *** ISL-Trunk-MDS-B ***
...
Port mode is TE
Port vsan is 20
...
Trunk vsans (admin allowed and active) (10,20)
Trunk vsans (up) (20)
Trunk vsans (isolated) (10)
Trunk vsans (initializing) ()
...

MDS-A# show log
...
... MDS-A %ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: %SVSAN 10%S Zone merge full database
mismatch on interface fc1/11
... MDS-A %ZONE-2-ZS_MERGE_FAILED: %SVSAN 10%S Zone merge failure, isolating interface
fc1/11 reason: Member mismatch:[reason:0]
... MDS-A %PORT-5-IF_TRUNK_DOWN: %SVSAN 10%S Interface fc1/11, vsan 10 is down
(Isolation due to zone merge failure) *** ISL-Trunk-MDS-B FC1/11 ***
```

A storage network engineer gets remote access to two Cisco MDS 9000 Series Switches with an ISL trunk and receives several log messages. Which set of actions resolve the problem while least affecting service?

- A. 1. Add 11:11:11:11:11:11:11:13 pwn in zone Server11 and activate Zoneset10-A on MDS-A. 2. shut/no shut interface fc1/11 on MDS-A.
- B. 1. Deactivate zone set Zoneset10-A on MDS-A. 2. shut/no shut interface fc1/11 on MDS-A.
- C. 1. Add 11:11:11:11:11:11:11:13 pwn in zone Server11 and activate Zoneset10-A on MDS-A. 2. Remove VSAN 10 from the allowed VSAN range of interface

fc1/11 on MDS-A and add it back in the range.

D. 1. Explicitly import zone set Zoneset10-A on MDS-B using the zoneset import interface import fc1/11 vsan 10 command.2. Activate the zone set Zoneset10-A.

Answer: A

NEW QUESTION 40

DRAG DROP

Drag and drop the boot issues from the left onto the correct solutions on the right.

Select and Place:

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 41

Refer to the exhibit.

```
switch-2# show zone status vsan 10
VSAN: 10 default-zone: deny distribute: active only Interop: default
mode: enhanced merge-control: allow
session: cli [admin]
hard-zoning: enabled broadcast: enabled

Default zone:
qos: none broadcast: disabled ronly: disabled
```

A user who is logged in as an operator cannot update the zoneset. What is the cause of this issue?

- A. The fabric is locked by admin on switch-2.
- B. Hard zoning is enabled.
- C. Merge control is disabled.
- D. The switch has a conflicting domain ID.
- E. The fabric is locked by admin on another switch.

Answer: A

NEW QUESTION 45

After a subordinate switch requests a domain ID form a principal switch, the requested domain ID becomes the runtime domain ID, and all interfaces on the affected VSAN are isolated. What is a solution to the issue?

- A. Add the received ID to the allowed list.
- B. Configure a static domain on the subordinate switch and reboot the switch.
- C. Enable the FICON feature on the affected VSAN.
- D. Configure IVR NAT on the affected VSAN.

Answer: A

NEW QUESTION 49

The principal switch on a Fibre Channel network fails to assign requested domain to a subordinate switch. What are two reasons? (Choose two.)

- A. Cisco Fabric Services distribution is not enabled on the switch.
- B. The fabric is locked.
- C. The requested domain is outside the allowed list.
- D. The persistent FC ID feated.
- E. An existing switch already has the requested domain assigned.

Answer: CE

NEW QUESTION 52

Two stable fabrics have overlapping domains. After a switch from the first domain is joined to a switch from the second domain, both switches become isolated. What caused the problem?

- A. The autoreconfigure option is disabled on both switches.
- B. The autoreconfigure option is enabled on both switches.
- C. The rcf-reject option is enabled on the interfaces.
- D. The rcf-reject option is disabled on the interfaces.

Answer: A

NEW QUESTION 56

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