

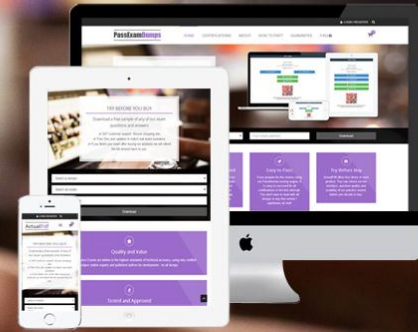
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Exam : **300-180**

Title : Troubleshooting Cisco Data
Center Infrastructure

Vendor : Cisco

Version : DEMO

NO.1 You install a new DIMM in a Cisco UCS C-Series standalone rack server and that DIMM is not recognized by the server. What actions do you take to troubleshoot the problem? (Choose two)

- A. Verify that the DIMM is in a slot that supports an active CPU
- B. Return the DIMM for a new replacement
- C. Remove an old DIMM from the blue memory slot and install the new DIMM there.
- D. Remove and dispose of the bad DIMM
- E. Verify that the DIMM has been qualified to work on Cisco UCS servers

Answer: A,E

Explanation

[https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/ts/guide/b_C-](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/ts/guide/b_C-Series_Troubleshooting_Guide/b_C-Series_Troubleshooting_Guide_chapter_010.html#concept_0B0A1726F533427A9E28B589178CD6B8)

[Series_Troubleshooting_Guide/b_C-](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/ts/guide/b_C-Series_Troubleshooting_Guide/b_C-Series_Troubleshooting_Guide_chapter_010.html#concept_0B0A1726F533427A9E28B589178CD6B8)

[Series_Troubleshooting_Guide_chapter_010.html#concept_0B0A1726F533427A9E28B589178CD6B8](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/ts/guide/b_C-Series_Troubleshooting_Guide/b_C-Series_Troubleshooting_Guide_chapter_010.html#concept_0B0A1726F533427A9E28B589178CD6B8)

NO.2 Which configuration is needed to suppress duplicate IP addresses when HSRP localization is enabled?

- A. Configure `no ip arp gratuitous hsrp duplicate` under the VLAN.
- B. Remove the passwords in each data center
- C. Configure mismatching HSRP versions between data centers.
- D. Configure matching passwords in each data center

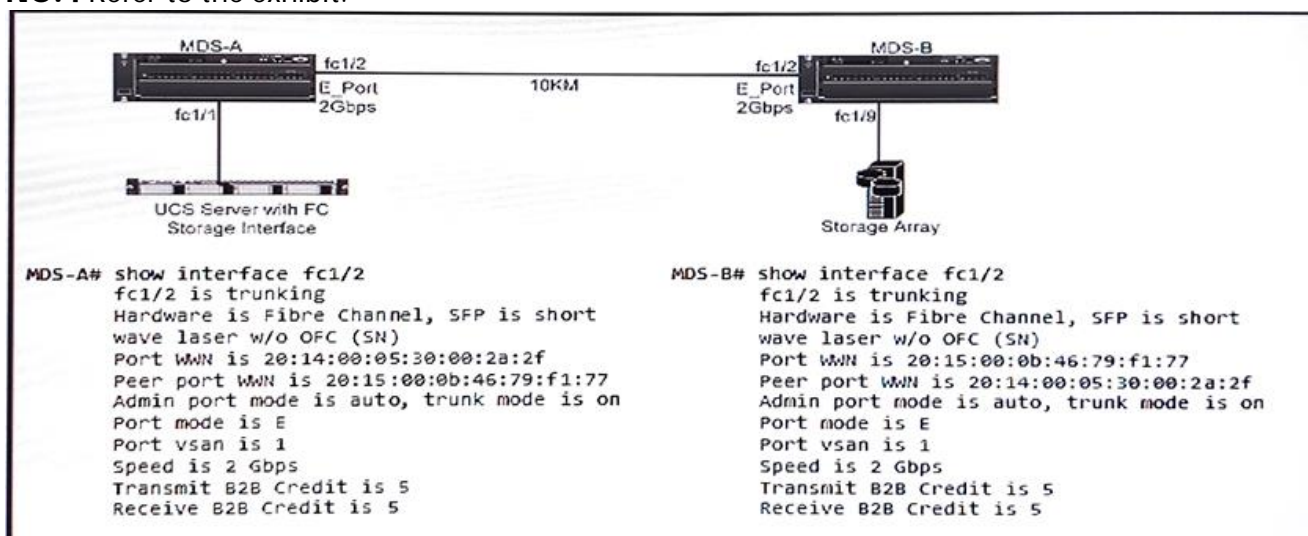
Answer: A

NO.3 Which statement is true about the `show cfs merge status name` command?

- A. The command shows the complete Cisco Fabric Services region database
- B. The merge master is selected based on the highest sWWN in the fabric
- C. In a successful merge, all switches are shown in a local fabric
- D. In a successful merge, all switches in the fabric are shown separately

Answer: C

NO.4 Refer to the exhibit.



A customer has implemented dark fiber between two Cisco MDS SAN switches. After the network is put into production, the servers in site A experience poor performance

when accessing the storage array in site B.

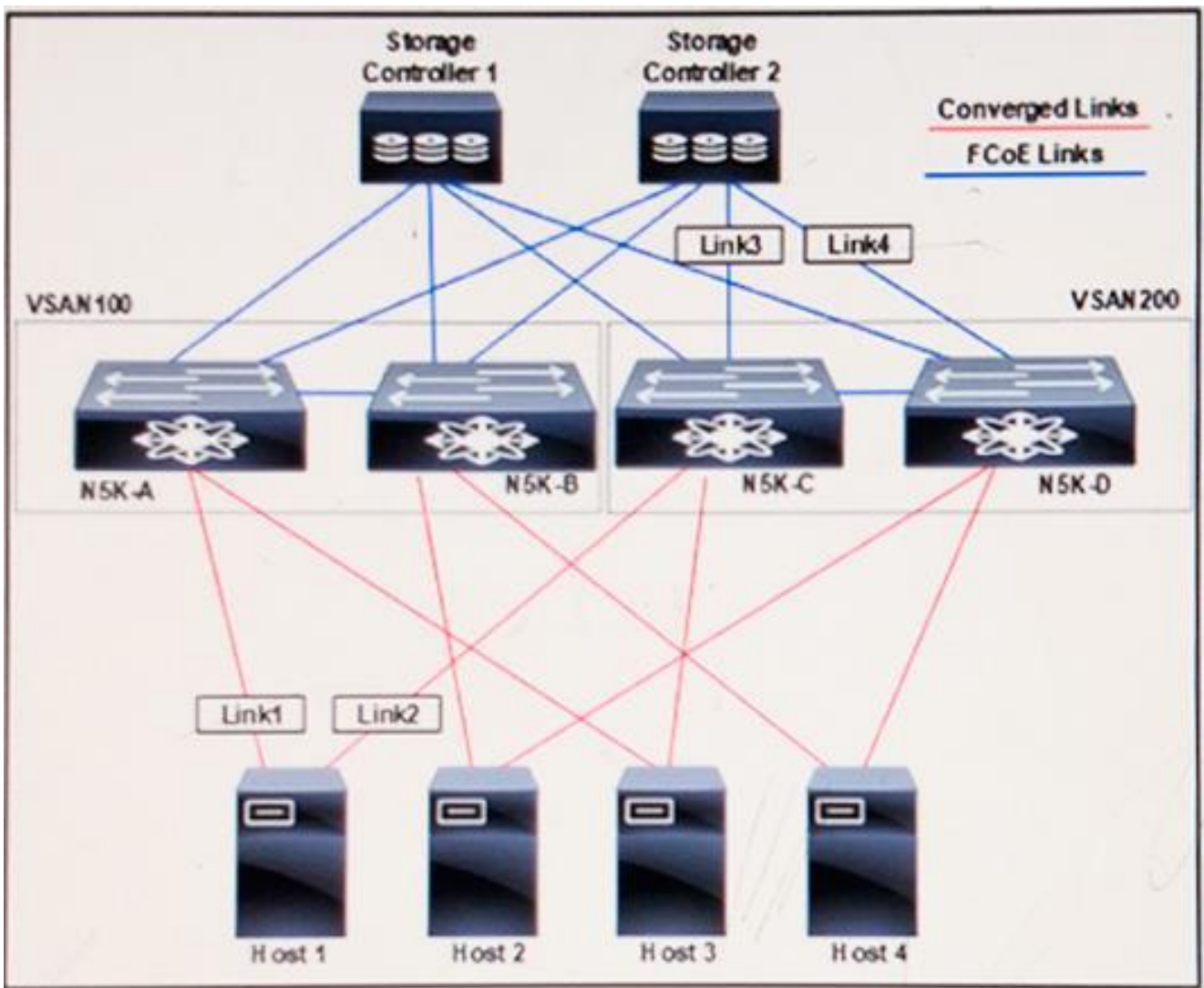
While troubleshooting this issue, you discover the buffer credit applied on the interface that connects the MDS switches is incorrect.

Which buffer-to-buffer credit value is needed to optimize the performance of the storage array access?

- A. 12
- B. 10
- C. 11
- D. 9

Answer: A

NO.5 Refer to the exhibit.



```
N5K-A# show zoneset active vsan 100
zoneset name VSAN100_zoneset vsan 100
  zone name host1_hba0_VNX vsan 100
    • fcid 0x020002 [pwwn 20:00:00:25:b5:aa:00:01]
    • fcid 0x0101ef [pwwn 50:06:01:60:3e:e0:58:87]
    • fcid 0x0100ef [pwwn 50:06:01:68:3e:e0:58:87]

N5K-C# sh zoneset active vsan 200
zoneset name VSAN200_zoneset vsan 200
  zone name host1_hba1_VNX vsan 200
    • fcid 0x30001 [pwwn 20:00:00:25:b5:bb:00:01]
      pwwn 50:06:01:61:3e:e0:58:87
    • fcid 0x3c01ef [pwwn 50:06:01:69:3e:e0:58:87]
```

Which link is down?

- A. Link 3
- B. Link 1
- C. Link 4
- D. Link 2

Answer: B

NO.6 Refer to the exhibit.

```

UCS-A# show service-profile circuit server 1/1
Service Profile: cisco
Server: 1/1
Fabric ID: A
  VIF  vNIC Link State Overall Status Admin Pin Oper Pin Transport
  ----  ----  -----  -----  -----  -----  -----  -----  -----
    822 eth0 Up           Active      0/0      0/3      Ether
    824 fc0 Up           Active      0/0      0/0      Fc
Fabric ID: B
  VIF  vNIC Link State Overall Status Admin Pin Oper Pin Transport
  ----  ----  -----  -----  -----  -----  -----  -----  -----
    823 eth1 Up           Active      0/0      0/3      Ether
    825 fc1 Up           Active      0/0      0/0      Fc

UCS-A# connect nxos
UCS-A (nxos)# show pinning border-interfaces active
-----+-----+-----
Border Interface  Status  SIFs
-----+-----+-----
Po10              Active  veth820 veth823 veth877 veth881
                  veth885 veth889 veth893 veth897
                  veth901 veth905 veth909 veth913
                  veth917 veth921 veth925 veth929
                  veth933 veth937 veth941 veth945
                  veth949 veth953 veth957 veth961
Po30              Active  veth961 veth965 veth973 veth977 veth981
                  veth985 veth989 veth993 veth997
                  veth1001 veth1005 veth1009 veth1013
                  veth1017 veth1021 veth1025 veth1029
                  veth1033 veth1037 veth1041 veth1045
                  veth1049 veth1053 veth1057 veth1061

```

You are attempting to trace packet flow from server1/1 to the fabric. On which interface does traffic leave from server 1/1?

- A. Po10
- B. fabric A
- C. Po30
- D. fabric B

Answer: A

NO.7 You must identify and isolate traffic loss. Which option do you configure to monitor EPG-to-EPG traffic within a tenant?

- A. atomic counters
- B. SPAN
- C. traffic map
- D. tcpdump

Answer: A

NO.8 Which two issues will cause a reboot of a Cisco UCS fabric interconnect? (Choose two.)

- A. The kernel space process crashed
- B. The FEX ports are unreachable.
- C. The kernel was upgraded.
- D. The kernel ran out of memory
- E. A user login failed.

Answer: A,D

Explanation

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/ucs-b-series-blade-servers/200471-Troubleshooting-UCS-Fabric-Interconnect.pdf>

NO.9 Refer to the exhibit.

```
switch# show bridge-domain segment-cisco vteps

D: Designated VTEP  I:Forwarding Publish Incapable VTEP

Note: (*) Denotes active gateway module

Bridge-domain: segment-cisco
VTEP Table Version: 2
Port      Module  VTEP-IP      Address      VTEP-Flags
-----
Veth4    4        10.106.199.116 (D)
Veth1    5        10.106.199.117 (D)
```

Which description of the output is true?

- A. One designated VTEP is in the bridge domain
- B. Two VTEPs are in the VEM
- C. Two VTEPs are in the VSM
- D. Two VTEP table versions exist

Answer: C

Explanation

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_2_1_s_v_3_1_1/TroubleshootGuide/n1000v_trouble/n1000v_TS_vxvlan.pdf

NO.10 You have a vPG that is in a blocking state. Which issue can cause this problem?

- A. VLANs are missing from the peer link.
- B. You have a MAC address filter applied.
- C. You have Bridge Assurance enabled on the vP
- D. You have a Type 1 Configuration Element Mismatch

Answer: C

NO.11 You have a Cisco UCS Central cluster. An I/O error is detected in the shared storage. What is a possible cause of the issue?

- A. The Cisco UCS domain is not registered in Cisco UCS Central.
- B. One of the Cisco UCS Central nodes is powered off
- C. The shared storage LUN was shared by a virtual machine other than the Cisco UCS Central cluster nodes.
- D. The wrong path selection policy is configured in VMware

Answer: C

NO.12 Which two commands will help an administrator identify any issues with an In-Service Software Upgrade? (Choose two.)

- A. show cts interface
- B. show install impact all
- C. show license file
- D. show incompatibility system
- E. show install issu-failure

Answer: B,D

NO.13 Which two conditions can prevent FCoE from functioning properly across a link? (Choose two.)

- A. The VFC interface is down.
- B. PFG was negotiated across the link
- C. The VSAN trunking protocol was enabled.
- D. LLDP is disabled
- E. DCBX is enabled on the device.

Answer: A,D

NO.14 You are using the Cisco ACI programmatic features and you receive this error message from the REST API:

Token was invalid (Error. Token timeout)

Which option is a possible cause of the error?

- A. The REST API requires that a login is refreshed
- B. The header or request sent to the web server is malformed such that the request cannot be parsed by the web server
- C. The HTTP port is disabled on the Cisco APICs and HTTPS is enabled.
- D. The Cisco APIC fails to resolve the distinguished name

Answer: A

NO.15 Which command is used to check for potential vPC configuration consistency problems?

- A. show vpc corifig
- B. show vpc global config
- C. show vpc brief interface
- D. show vpc consistency-parameters global

Answer: D