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QUESTION 1

Instructions

- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are **four** multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.

Scenario

Customer is configuring FCoE and NPV in their Data Center on Cisco Nexus 5000 Series Switches. Please go through the Topology and Exhibit 1 through 4 to answer the questions.

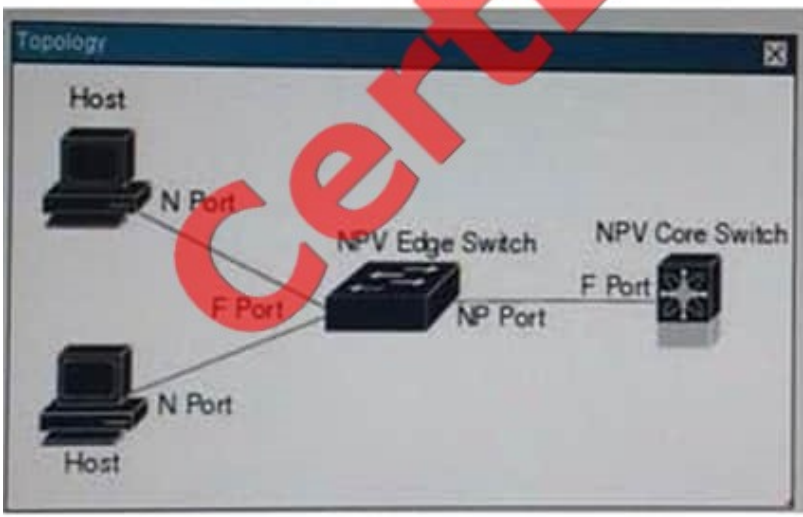


Exhibit 1

```
switch# configure terminal  
switch(config)# npv enable
```



```

Exhibit 3
switch# show npv flogi-table
-----
SERVER                                     EXTERNAL
INTERFACE VSAN FCID                       PORT NAME                               NODE NAME                               INTERFACE
-----
vfc3/1    1    0xee0008 10:00:00:00:c9:60:e4:9a 20:00:00:00:c9:60:e4:9a fc2/1
vfc3/1    1    0xee0009 20:00:00:00:0a:00:00:01 20:00:00:00:c9:60:e4:9a fc2/2
vfc3/1    1    0xee000a 20:00:00:00:0a:00:00:02 20:00:00:00:c9:60:e4:9a fc2/3
vfc3/1    1    0xee000b 33:33:33:33:33:33:33:33 20:00:00:00:c9:60:e4:9a fc2/4
Total number of flogi = 4
    
```

```

Exhibit 3
switch# show npv status
npiv is enabled

External Interfaces:
-----
Interface: fc2/1, VSAN: 1, FCID: 0x1c0000, State: Up
Interface: fc2/2, VSAN: 1, FCID: 0x040000, State: Up
Interface: fc2/3, VSAN: 1, FCID: 0x260000, State: Up
Interface: fc2/4, VSAN: 1, FCID: 0x1a0000, State: Up
Number of External Interfaces: 4

Server Interfaces:
-----
Interface: vfc3/1, VSAN: 1, NPIV: No, State: Up
Number of Server Interfaces: 1
    
```

```

Exhibit 4
switch# show npv status
npiv is enabled
disruptive load balancing is enabled

External Interfaces:
-----
Interface: fc2/1, VSAN: 2, FCID: 0x1c0000, State: Up
    
```



What can you tell about server ports and their external Interfaces from the exhibits?

- A. vfc3/1 is not correctly connected to server external interface fc2/1.
- B. vfc3/1 is not correctly connected to server external Interface fc2/1 and flogi are unsuccessful.
- C. Server interface vfc3/1 is assigned to NP uplinks fc2/1, fc2/2, fc2/3, and fc2/4. There are 4 successful flogi.
- D. Server interface vfc3/1 is assigned to NP uplinks fc2/1, fc2/2, fc2/3, and fc2/4. There are 4 flogi are in initialization state.

Correct Answer: C

QUESTION 2

An engineer created three VSANs on the Cisco MDS switch. VSAN 100 is allocated to the marketing department, VSAN 110 is allocated to the research department, and VSAN 120 is allocated to the business department. The engineer wants to verify that the interfaces for the research department are allocated accordingly. Which command should the engineer use?

- A. mdsswitch# show vsan 110
- B. mdsswitch# show vsan membership
- C. mdsswitch# show vsan
- D. mdsswitch# show vsan usage

Correct Answer: C

QUESTION 3

Which two options are valid VTP commands? (Choose two)

- A. feature vtp
- B. vtp client mode
- C. vtp VLAN
- D. vtp version
- E. vtp static

Correct Answer: AD

QUESTION 4

Which Fibre Channel interface port mode is used to connect multiple switches together?

- A. N port

- B. E port
- C. F port
- D. NL port

Correct Answer: B

QUESTION 5

Which statement about VIP is true?

- A. There is a misconfiguration ; only one device running device running in server mode per domain is allowed
- B. 5K-2 is configured in server mode
- C. 7k-3 configuration in client mode
- D. Configuration a VLAN on 5K-1 would not be allowed, since 5k-1 is in client mode
- E. configuration a VLAN on 5k-2 would be allowed, but the VLAN would not be learned by the other devices in the domain DCICN

Correct Answer: A

QUESTION 6

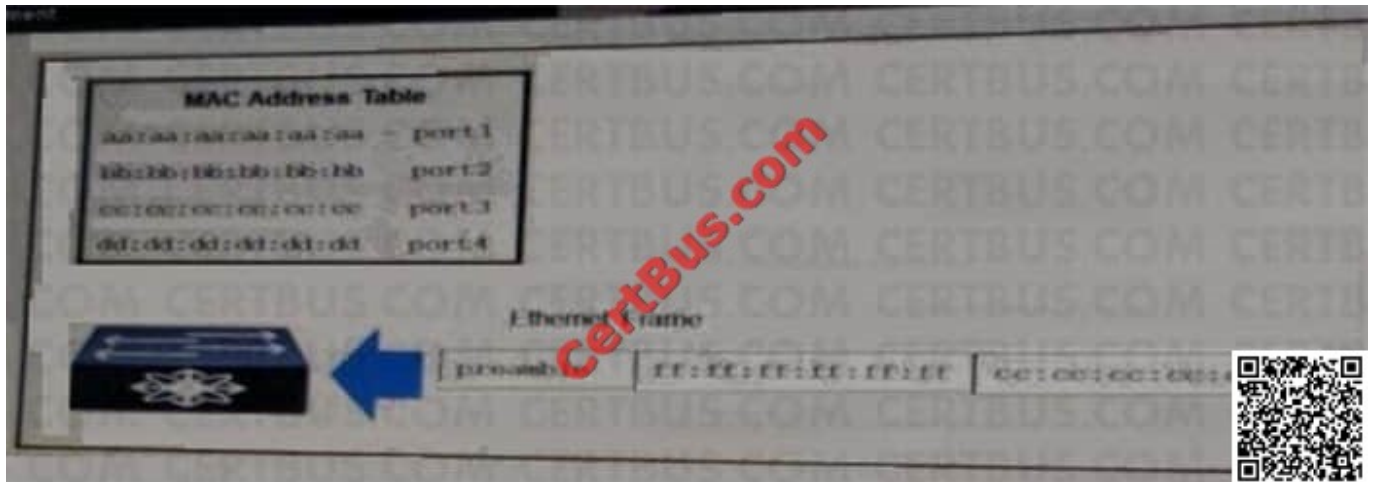
Ethernet 1/1 is assigned IP address 10.1.1.1 with subnet mask 255.255.255.0. Which configuration is used to configure EIGRP on a Cisco Nexus 7000 switch?

- A. feature eigrp!interface Ethernet1/1ip address 10.1.1.1 255.255.255.0no shutdown!router eigrp 1network 10.1.1.0 0.0.0.255
- B. feature eigrp!router eigrp 1autonomous-system 1!interface Ethernet1/1ip address 10.1.1.1/24ip router eigrp 1no shutdown
- C. router eigrp 1autonomous-system 1!interface Ethernet1/1ip address 10.1.1.1/24ip router eigrp 1no shutdown
- D. feature eigrp!interface Ethernet1/1ip address 10.1.1.1/24no shutdown!router eigrp 1network 10.1.1.0 0.0.0.255

Correct Answer: B

QUESTION 7

Refer to the exhibit.



How does the switch process the Ethernet frame?

- A. drop the frame
- B. Forwards the frame to port3
- C. filter the frame
- D. floods the frame

Correct Answer: B

QUESTION 8

Which description of a multiple-initiator target zone is true?

- A. It uses more TCAM than a single-initiator single target zone.
- B. It increases the number of zones.
- C. It uses less TCM space than a single-initiator target zone.
- D. It blocks RSCNs between initiators.

Correct Answer: A

QUESTION 9

Which address and subnet combination is valid for a host assignment?

- A. 172.23.175.210/15
- B. 10.100.74.127/25
- C. 192.168.73.223/29
- D. 10.230.33.15/28

Correct Answer: A

QUESTION 10

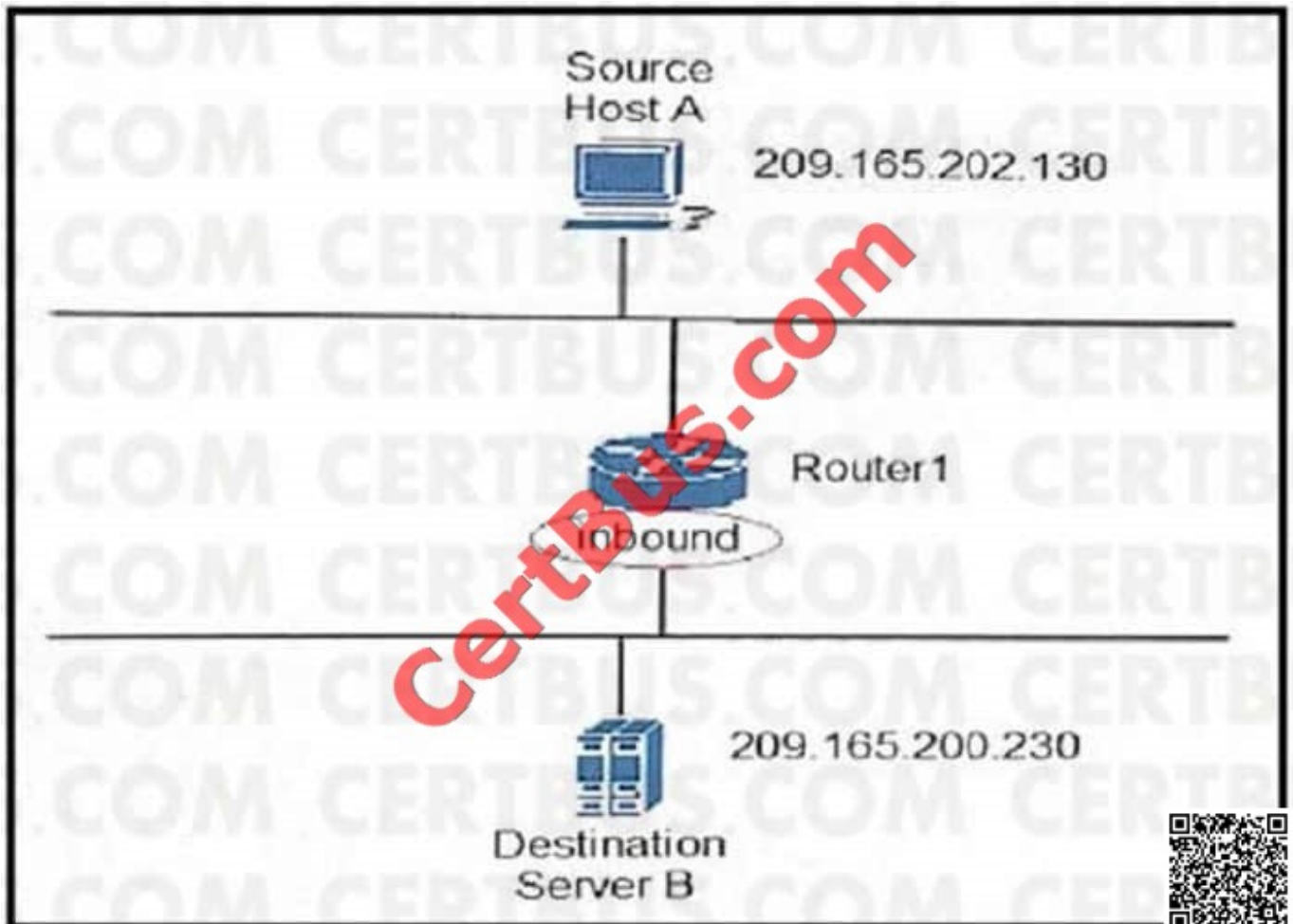
A network engineer is verifying Layer 2 connectivity of a server to a Cisco Nexus switch by checking the Address Resolution table statistics. Which command shows the MAC address, physical interfaced, VLAN and IP address of a server on a Cisco Nexus switch?

- A. show Ip arp interface
- B. show Ip arp
- C. show Ip arp detail
- D. show arp detail

Correct Answer: C

QUESTION 11

Refer to the exhibit.



You are configuring an extended access list to permit a reply from Destination Server B to Source Host A for HTTP traffic. Which extended access list should you implement on the inbound interface of Router1?

- A. router(config)# permit tcp host 209.165.200.230 host 209.165.202.130 eq www
- B. router(config)# permit tcp host 209.165.200.230 eq www host 209.165.202.130
- C. router(config)# permit tcp host 209.165.202.130 host 209.165.200.230 eq www
- D. router(config)# permit tcp host 209.165.202.130 eq www host 209.165.200.230

Correct Answer: A

QUESTION 12

An engineer implemented a new VSAN and examined the F-mode trunks connecting an upstream switch. The engineer noticed that the new VSAN is stuck in initializing. Which two options explain why this is happening? (Choose two.)

- A. A device has not attempted to log in the ne VSAN across the trunk.
- B. Only the primary VSAN lists as active while subordinate VSANs stay initializing.
- C. The trunk must be disabled an re-enabled to join the new VSAN.
- D. Only the secondary VSAN lists as active while primary VSANs stay initializing.
- E. The new VSAN has not been configured in the upstream switch.

Correct Answer: AE

QUESTION 13

Which option describes what a switch does after it items that a host has connected to a switch port?

- A. Flood the frame only on all of its trunk ports.
- B. Create a MAC to port mapping entry in MAC table.
- C. Flood the frame only on all of its access ports.
- D. Discard the frame.

Correct Answer: B

QUESTION 14

A network engineer examines a data capture and finds a lage amount traffic with the destination address of FF;FF;FF;FF;FF;FF. What type of address is this?

- A. Layer 2 broadcast address

- B. Layer 3 broadcast address
- C. layer 3 network address
- D. a multicast address

Correct Answer: D

QUESTION 15

Which two options are benefits of deploying FCoE beyond the access layer?

- A. higher throughput compared to native Fibre Channel switches.
- B. FCoE cannot be deployed beyond the access layer.
- C. reduction in equipment requirements
- D. improved security compared to traditional Fibre Channel.
- E. increased application support.

Correct Answer: AC

QUESTION 16

Which command should be used to determine which hosts are Fibre Channel targets?

- A. MDS-A# show host database
- B. MDS-A# show flogi database
- C. MDS-A# show fens database
- D. MDS-A# show host-id

Correct Answer: B

QUESTION 17

VLAN 10 is assigned IP address 10.1.1.1 with subnet mask 255.255.255.0. Which configuration is used to route the IP subnet but not form OSPF neighbors on a Cisco Nexus 7000 switch?

- A. feature ospf ! interface Vlan 10 ip address 10.1.1.1/24 no shutdown ip router ospf 1 ip passive-interface ospf 1 ! router ospf 1
- B. feature ospf ! interface Vlan 10 ip address 10.1.1.1/24 no shutdown ! router ospf 1 passive-interface default no ip passive-interface Vlan 10
- C. feature ospf ! interface Vlan 10 ip address 10.1.1.1/24 no shutdown ! router ospf 1 ip passive-interface Vlan 10

D. feature ospf ! interface Vlan 10 ip address 10.1.1.1/24 no shutdown ip router ospf 1 ! router ospf 1

Correct Answer: A

QUESTION 18

Which VTP mode disallows the creation of local VLANs?

- A. transparent
- B. tunneling
- C. server
- D. client
- E. off
- F. native

Correct Answer: D

QUESTION 19

Which communication type uses a one-to-many model to replicate packets that are delivered to many interested recipients?

- A. unknown unicast
- B. broadcast
- C. unicast
- D. multicast

Correct Answer: D

QUESTION 20

Which statement accurately describes the Single initiator Target zone model?

- A. One initiator node connects to one SAN array.
- B. One initiator HBA port connects to one disk controller
- C. One initiator node connects to one SAN fabric.
- D. One initiator HBA card connects to one disk controller.

Correct Answer: D

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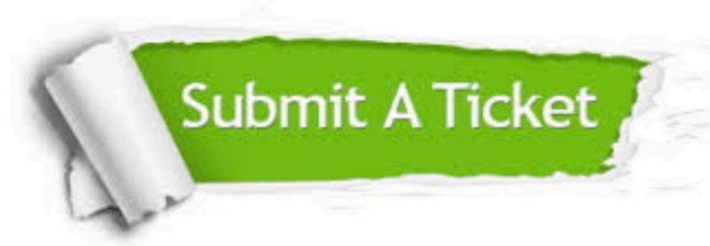
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