300-165^Q&As

Implementing Cisco Data Center Infrastructure

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QUESTION 1

Which statement about RBAC user roles on a Cisco Nexus switch is true?

A. If you belong to multiple roles, you can execute only the commands that are permitted by both roles (logical AND).

B. Access to a command takes priority over being denied access to a command.

C. The predefined roles can only be changed by the network administrator (superuser).

D. The default SAN administrator role restricts configuration to Fibre Channel interfaces.

E. On a Cisco Nexus 7000 Series Switch, roles are shared between VDCs.

Correct Answer: B

If you belong to multiple roles, you can execute a combination of all the commands permitted by these roles. Access to a command takes priority over being denied access to a command. For example, suppose a user has RoleA, which denied access to the configuration commands. However, the users also have RoleB, which has access to the configuration commands. In this case, the users have access to the configuration commands. http://www.cisco.com/c/en /us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli/CLIConfigurationGuide/sec_rbac.html

QUESTION 2

```
NEXUS(config) # ip access-list MGMT
NEXUS(config-acl) # 10 deny udp any 10.1.23.4/32 eq snmptrap
NEXUS(config-acl) # permit tcp any 10.1.23.4/32 eq 53

NEXUS(config) # interface Vlan10
NEXUS(config-if) # description MGMT SVI
NEXUS(config-if) # no shutdown
NEXUS(config-if) # ip address 10.1.10.1/24
NEXUS(config-if) # ip access-group MGMT

Nexus # show run | 1 snmp
snmp-server contact IT_Helpdesk
snmp-server location USA
snmp-server sourve-interface trap Vlan10
snmp-server user super network-admin auth sha
0x12345510f7bec0d79e2724de0a40
e8e268c6 priv 0x48e7aa877600f7bec0d79e2724de0a40e8e268c6 localizedkey
snmp-server enable traps cfs merge-failure
snmp-server enable traps aaa server-state-change
snmp-server enable traps hsrp state-change
snmp-server host prime01 informs version 3 priv cisco
snmp-server host 10.1.23.4 use-vrf default
```

Refer to the exhibit. You configure SNMP traps to be sent to a server. The server does not receive the traps. Which reason could cause this issue?

A. SNMPv3 is disabled

B. UDP port 162 is blocked by an ACL

C. The SNMP traffic uses the management VRF

D. TCP port 162 is blocked by a firewall

Correct Answer: A

QUESTION 3

Instructions

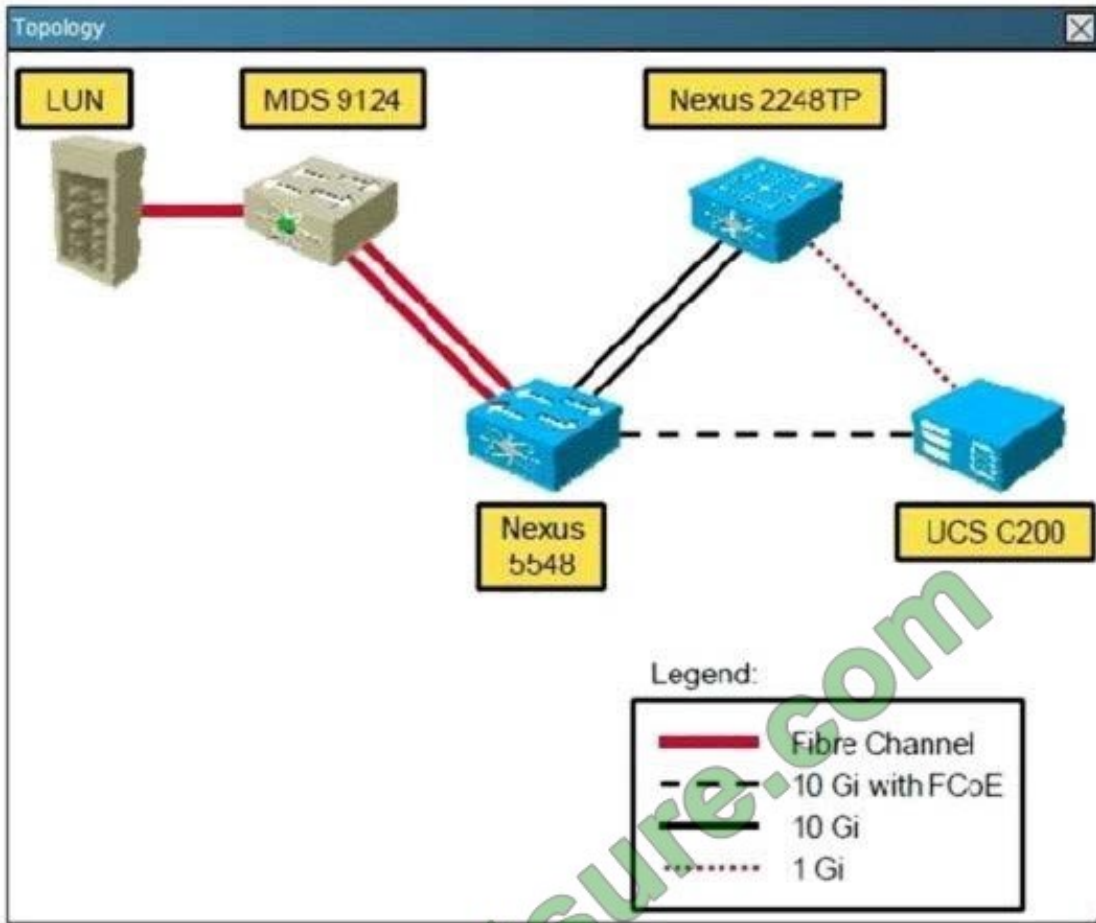This task does not require device configuration.

Click Cisco Nexus 5548 to gain console access. No console or enable passwords are required.

To access the multiple-choice questions, click the numbered boxes on the left of the top panel.

There are four multiple-choice questions with this task.

Scenario

Customer is deploying Cisco Nexus 5548 switch with FCoE in their new data center, as shown in the topology diagram. Click Nexus5548 icon to run show commands and answer the questions.

Topology

LUN | MDS 9124 | Nexus 2248TP

Nexus 5548

UCS C200

Legend:

Fibre Channel
10 Gi with FCoE
10 Gi
1 Gi

Nexus 5548

Nexus 5548#

Ethernet interface 1/5 on Cisco Nexus 5548 is connected to Cisco UCS C220 rack server. What is the status of Ethernet 1/5 interface for FCoE functionality?

A. Interface reset on Ethernet 1/5 is preventing the FCoE connection from coming up

B. MTU size of 1500 on Ethernet interface 1/5 needs to be changed for FCoE to come UP

C. Cisco Nexus 5548 needs a layer 3 daughter card for FCoE to come UP on the Ethernet interface 1/5

D. Ethernet interface 1/5 is operational for FCoE and the status is UP

Correct Answer: D

QUESTION 4

Which two options can be used for link aggregation when you configure vPC member interfaces? (Choose two.)

A. a static EtherChannel

B. the Cisco Fabric Services protocol

C. the LACP protocol

D. the VSL control link

E. the PAgP protocol

Correct Answer: AC

Reference: http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Campus/VSS30dg/campusVSS_DG/VSS-dg_ch2.html

QUESTION 5

Which statement about Cisco FabricPath is true?

A. It is the best solution for interconnecting multiple data centers.

B. It optimizes STP throughout the Layer 2 network.

C. It is a simplified extension of Layer 3 networks across a single data center.

D. The Cisco FabricPath domain appears as a single STP bridge, where each edge port uses the same MAC address.

Correct Answer: D

To have a loop-free topology for the CE/FabricPath hybrid network, the FabricPath network automatically displays as a single bridge to all connected CE devices. The STP domains do not cross into the FabricPath network. If multiple STP domains are defined, BPDUs and topology change notifications (TCNs) are localized to the domain. If a connected STP domain is multihomed to the FabricPath domain, a TCN must be able to reach to all devices in the STP domain through the FabricPath domain. As a result, the TCN is sent to the FabricPath domain through the IS-IS protocol data unit (PDU)

by default. http://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/mkt_ops_guides/513_n1_1/n5k_ops_fabricpath.html

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