Exam Questions 642-997
DCUFI Implementing Cisco Data Center Unified Fabric (DCUFI) v5.0
NEW QUESTION 1
- (Topic 1)
Which statement about the Layer 3 card on the Cisco Nexus 5500 Series Switch is true?

A. BGP support is not provided, but RIP, EIGRP, and OSPF support is provided.
B. Up to two 4-port cards are supported with up to 160 Gb/s of Layer 3 forwarding capability.
C. Up to 16 FEX connections are supported.
D. Port channels cannot be configured as Layer 3 interfaces.

Answer: C

Explanation:
From the Cisco NX-OS 5.1(3)N1(1) release and later releases, each Cisco Nexus 5500 Series device can manage and support up to 24 FEXs without Layer 3. With Layer 3, the number of FEXs supported per Cisco Nexus 5500 Series device is 8. With Enhanced vPC and a dual-homed FEX topology each FEX is managed by both Cisco Nexus 5000 Series devices. As a result, one pair of Cisco Nexus 5500 Series devices can support up to 24 FEXs and 16 FEXs for Layer 2 and Layer 3.

NEW QUESTION 2
- (Topic 2)
Which statement is true if password-strength checking is enabled?

A. Short, easy-to-decipher passwords will be rejected.
B. The strength of existing passwords will be checked.
C. Special characters, such as the dollar sign ($) or the percent sign (%), will not be allowed.
D. Passwords become case-sensitive.

Answer: A

Explanation:
If a password is trivial (such as a short, easy-to-decipher password), the cisco NX_OS software will reject your password configuration if password-strength checking is enabled. Be sure to configure a strong password. Passwords are case sensitive.

NEW QUESTION 3
- (Topic 4)

Instructions:

Go through NX-OS CLI captures in Exhibits 1 through 5 to answer the questions.
• THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
• To access the multiple-choice questions, click the numbered boxes at 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 deploying Cisco FabricPath in their new data center as shown in the topology diagram. Go through NX-OS CLI captures in Exhibits 1 through 5 to answer the questions.
FabricPath switch-id is 25 and load-balance is configured for L3/L4 and rotate amount is 14 byte. What information is true about FabricPath switch-id?

A. FabricPath topology requires manual configuration of switch-id which has a range from 1 to 4095
B. Every FabricPath must have a manually configured switch-id for it to form a FabricPath topology
C. FabricPath topology requires manual configuration of switch-id which has a range from 1 to 4099
D. You do not have to manually assign a switch ID unless you are running a virtual port channel plus (vPC+) because the system assigns a switch ID for you when you enable FabricPath

Answer: D

Explanation:
fabricpath switch-id (vPC)
To configure a virtual port channel plus (vPC+) switch ID, use the fabricpath switch-id command. To remove the FabricPath switch from a vPC domain, use the no form of this command.
fabricpath switch-id switch-id
no fabricpath switch-id [ switch-id ]
Usage Guidelines
You do not have to manually assign a switch ID (unless you are running a vPC+); the system assigns a switch ID for you when you enable FabricPath.
Note You must assign the same vPC+ switch ID to each of the two vPC+ peer devices before they can form an adjacency.
This command requires an Enhanced Layer 2 license.
Examples
This example shows how to configure a vPC+ switch ID on a FabricPath-enabled device: switch# configure terminal
switch(config)# fabricpath switch-id 25
Configuring fabricpath switch id will flap vPCs. Continue (yes/no)? [no]
NEW QUESTION 4
- (Topic 4)
In policy-based routing, which action is taken for packets that do not match any of the route-map statements?

A. forwarded after the egress queue empties on the outbound interface
B. forwarded using the last statement in the route map
C. forwarded using the closest matching route-map statement
D. forwarded using destination-based routing

Answer: D

Explanation:
Each entry in a route map contains a combination of match and set statements. The match statements define the criteria for whether appropriate packets meet the particular policy (that is, the conditions to be met). The set clauses explain how the packets should be routed once they have met the match criteria. You can mark the route-map statements as permit or deny. You can interpret the statements as follows:
- If the statement is marked as permit and the packets meet the match criteria, the set clause is applied. One of these actions involves choosing the next hop.
- If a statement is marked as deny, the packets that meet the match criteria are sent back through the normal forwarding channels, and destination-based routing is performed.
- If the statement is marked as permit and the packets do not match any route-map statements, the packets are sent back through the normal forwarding channels, and destination-based routing is performed.


NEW QUESTION 5
- (Topic 4)
What is the grace period in a graceful restart situation?

A. how long the supervisor waits for NSF replies
B. how often graceful restart messages are sent after a switchover
C. how long NSF-aware neighbors should wait after a graceful restart has started before tearing down adjacencies
D. how long the NSF-capable switches should wait after detecting that a graceful restart has started, before verifying that adjacencies are still valid

Answer: C

Explanation:
Graceful restart (GR) refers to the capability of the control plane to delay advertising the absence of a peer (going through control-plane switchover) for a "grace period," and thus help minimize disruption during that time (assuming the standby control plane comes up). GR is based on extensions per routing protocol, which are interoperable across vendors. The downside of the grace period is huge when the peer completely fails and never comes up, because that slows down the overall network convergence, which brings us to the final concept: nonstop routing (NSR). NSR is an internal (vendor-specific) mechanism to extend the awareness of routing to the standby routing plane so that in case of failover, the newly active routing plane can take charge of the already established sessions.


NEW QUESTION 6
- (Topic 5)
Which two statements about implementing Cisco NPV and NPIV on a Cisco Nexus 5000 Series switch are true? (Choose two.)

A. STP must run inside the FP network.
B. All VLANs must be in the same mode, CE, or FP.
C. FP port can join the private and nonprivate VLANs.
D. Only F and M series modules can run FabricPath.
E. These require an enhanced Layer 2 license to run.

Answer: BE

Explanation:
With the Nexus 5x00 switch, FCoE functionality is a licensed feature. After the license is installed, FCoE configuration can be completed.


NEW QUESTION 7
- (Topic 6)
Which two Cisco Nexus platforms support Adapter FEX? (Choose two.)

A. Cisco Nexus 7000 Series Switches
B. Cisco Nexus 5000 Series Switches
C. Cisco Nexus 5500 Series Switches
D. Cisco Nexus 4000 Series Switches
E. Cisco Nexus 2000 Series Fabric Extenders

Answer: CE

Explanation:
At the access layer, the Adapter-FEX requires a FEX-enabled adapter on a server that connects to a parent device that supports virtualization of interfaces. The Adapter-FEX is supported on the following platforms:
- The Cisco Unified Computing System (UCS) platform supports Adapter-FEX between UCS servers and the UCS Fabric Interconnect.
- The Adapter-FEX is supported on the Cisco Nexus 5500 Series platform and on the Cisco Nexus 2200 Fabric Extender that is connected to a Cisco Nexus 5500 Series parent device. This implementation works on a variety of FEX-capable adapters, including the Cisco UCS P81E virtual interface card (VIC) adapter for the UCS C-Series platform and third party adapters such as the Broadcom BCM57712 Convergence Network Interface Card, that implement the virtual network tag (VNTag) technology.

**NEW QUESTION 8**
- (Topic 6)
Which two items are features that are available in VN-Link in software? (Choose two.)

A. VM snapshot
B. NetFlow
C. ERSpan
D. high availability
E. resource reservations

**Answer:** BC

**Explanation:**
NetFlow is a feature that was introduced on Cisco routers that provides the ability to collect IP network traffic as it enters or exits an interface. By analyzing the data provided by NetFlow, a network administrator can determine things such as the source and destination of traffic, class of service, and the causes of congestion. A typical flow monitoring setup (using NetFlow) consists of three main components:

? Flow exporter: aggregates packets into flows and exports flow records towards one or more flow collectors.

? Flow collector: responsible for reception, storage and pre-processing of flow data received from a flow exporter.

? Analysis application: analyzes received flow data in the context of intrusion detection or traffic profiling.

This module describes how to configure Encapsulated Remote Switched Port Analyzer (ERSPAN). The Cisco ERSPAN feature allows you to monitor traffic on one or more ports or VLANs and send the monitored traffic to one or more destination ports.


**NEW QUESTION 9**
- (Topic 7)
Refer to the exhibit.

Which command would you execute to attempt a recovery?

A. switchto vdc stg1prod201 reload
B. reload vdc 2
C. reload vdc stg1prod201
D. restart vdc stg1prod201
E. switchto vdc stg1prod201 restart

**Answer:** C

**NEW QUESTION 10**
- (Topic 7)
How does addition of bandwidth between spine and leaf switches in a FabricPath architecture get utilized?

A. Links between the same set of switches are automatically added to a port channel.
B. Adding additional bandwidth is handled dynamically using the 802.1AX protocol.
C. Traffic is load shared automatically across the available paths to the destination.
D. FabricPath uses hardware bonding of physical interfaces to form higher-speed links.

**Answer:** C

**NEW QUESTION 11**
- (Topic 7)
Which three options are capabilities of the Cisco Nexus 7000 Series Switch? (Choose three.)

A. All interface and supervisor modules are accessible from the front.
B. All interface and supervisor modules are accessible from the rear.
C. single power supply only
D. multiple power supply option for redundancy
E. up to 180.7 Tbps forwarding capacity with Fabric-2 modules with 10-slot switches
F. up to 18.7 Tbps forwarding capacity with Fabric-2 modules with 18-slot switches

**Answer:** ADF

**NEW QUESTION 12**
Which two RFCs are supported by Cisco NX-OS devices for OSPFv2? (Choose two.)

A. RFC 2238
B. RFC 1918
C. RFC 1583
D. RFC 2453
E. RFC 2740

Answer: AC

What are two advantages of XML-based configuration over SNMP? (Choose two.)

A. XML provides higher scalability of configuration options.
B. XML is encrypted by default.
C. With XML, configuration options are verified before being applied.
D. XML provides confidentiality and integrity.
E. XML provides the ability to configure an entire set of CLI commands.

Answer: AE

Which statement about enhanced zoning on Cisco Multilayer Director Switches are true?

A. It allows partial zone set changes to be distributed without having to activate a zone set.
B. Enhanced zoning is compatible with IVR.
C. Zone changes can scheduled with a CRON job.
D. More than one zone set can be active with enhanced zoning.

Answer: A

Explanation:
Enhanced zoning implements changes to the zoning database and distributes it without reactivation. Distribution of zone sets without activation avoids hardware changes for hard zoning in the switches.

Which zoning security feature locks the zone until the administrator has completed a change?

A. Commit Lock
B. Enhanced
C. Zoning Plus
D. RBAC

Answer: B

Refer to the exhibit.

What is the maximum IPv6 unicast route memory allocated?

A. 4 MB
B. 8 MB
C. 1024 MB
D. 1 GB
E. 5 MB

Answer: A

Which two elements must be configured correctly for Cisco TrustSec Fibre Channel Link Encryption to work on a Cisco MDS 9000 Series Switch? (Choose two.)

A. AES-GMAC
B. key
C. salt
D. AAA
E. group

Answer: BC

NEW QUESTION 18
- (Topic 7)
Which feature must be enabled for Cisco TrustSec FC Link Encryption to work on a Cisco MDS 9000 Series Switch?

A. crypto IKE
B. port security
C. LDAP
D. FC-SP

Answer: D

NEW QUESTION 19
- (Topic 7)
During the design of a new Cisco Data Center Network, a customer asked when VM-FEX would be used with Cisco Nexus 1000V Switch. Which scenario is most appropriate?

A. when a host must utilize a vSwitch and a distributed vSwitch
B. when using Non-UCS Servers to provide virtualization services with Nexus FEX modules
C. They are mutually exclusive of each other.
D. when a Cisco UCS C-Series server requires Cisco Nexus 1000V Switch to provide VM connectivity

Answer: C

NEW QUESTION 20
- (Topic 7)
What is the role of the system manager in a stateful process restart?

A. performing software upgrades
B. launching, stopping, monitoring, and restarting services
C. handling message routing and queuing between services
D. storing and managing the operational runtime information of processes

Answer: B

NEW QUESTION 21
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