Implementing Cisco Data Center Unified Fabric

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Question 1
Which statement about RADIUS configuration distribution using Cisco Fabric Services on a Cisco Nexus 7000 Series Switch is true?

Options:
A. Cisco Fabric Services does not distribute the RADIUS served group configuration ou served and global keys.
B. Enabling Cisco Fabric Services causes the existing RADIUS configuration on your Cisco NX-OS device to be immediately distributed.
C. When the RADIUS configuration is being simultaneously changed on more than one device in a Cisco Fabric Services region, the most recent changes will take precedence.
D. Only the Cisco NX-OS device with the lowest IP address in the Cisco Fabric Services region can lock the RADIUS configuration.

Answer: A

Explanation:
CFS does not distribute the RADIUS served group configuration ou served and global keys. The keys are unique to the Cisco NX-OS device and are not shaped with other Cisco NX-OS devices.

Reference
https://www.certification-questions.com
Question 2
By default, it will take 10 seconds for authentication to fail due to an unresponsive RADIUS server before a Cisco Nexus series switch events to another RADIUS server of local authentication. What is one ancient way to improve the beacon area to a RADIUS server failure?

Options:
A. Decrease the global RADIUS retransmission count to 1.
B. Decrease the global RADIUS timeout interval to 5 seconds.
C. Continue the RADIUS retransmission count and timeout interval EU served, versus globally.
D. Continue EU served an test idle Ames, along with a username and password.

Answer: D

Explanation:

You can monitor the availability of RADIUS servers. These parameters include the username and password to use for the served and an idle Ames. The idle Ames species the interval during which a RADIUS server receives no requests before the Nexus 5000 Series switch sends out a test packet. You can continue this open to test servers periodically.
The test idle Ames species the interval during which a RADIUS server receives no requests before the Nexus 5000 Series switch sends out a test packet. The default idle Ames value is 0 minutes. When the idle are interval is 0 minutes, the Nexus 5000 Series switch does not perform periodic RADIUS server monitoring.

Reference

Question 3
Which statement explains why a Cisco UCS /200 Fabric Interconnect that is continued in end-host mode is

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beneficial to the united fabric network?

Options:

A. There is support for multiple (power of 2) uplinks.
B. Upstream layer 2 disjoint networks will remain separated.
C. The /200 can connect directly via PC to a layer 3 airueiaaan devices.
D. STP is not required on the uplink ports from the /200.

Answer: D

Explanation:
Explainaon
In Cisco United Compnuan System environments, two Ethernet switching modes determine the way that the fabric interconnects behave as switching devices between the servers and the network. In end-host mode, the fabric interconnects appear to the upstream devices as end hosts with multiple links. In end-host mode, the switch does not run Spanning Tree Protocol and avoids loops by following a set of rules for AFC fouwadini. In switch mode, the switch runs Spanning Tree Protocol to avoid loops, and broadcast and multicast packets are handled in the tuadiaonal way.


Question 4
Which two statements about Cisco Nexus 7000 line cards are true? (Choose two.)

Options:
A. M1, M2, and F1 cards are allowed in the same VDC.
B. M line cards are service-oriented and likely face the access layer and provide layer 2 connectivity.
C. F line cards are performance-oriented and likely connect northbound to the core layer for layer 3 connectivity.

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D. M line cards support layer 2, layer 3, and layer e with Laurie fouwaudini tables and a rich feature set.

E. The F2 line card must beside in the admin VDC.

**Answer: A, D**

**Explanation:**
Cisco is introducing a new line card called as F3 Module which has rich feature set and ofens high performance e0n:100n pout density to the Nexus 7000 product family. Cisco also introduced a new feature in NX-OS /.2(2) where the F2e line card can be in the same VDC as M1 of M2 line Card. The objective of this session is to cover detailed steps and methodology of miauaani Nexus 7000 with VDC types prior to NX-OS /.2 to the newer F3 of M:F2e VDC types. The session also covers the effect of VDC miauaaon with commonly used Network features, firewall and load balance services.

Miseries A modules support ladies fouwaudini tables. Miseries modules are frequently required at network come, peeling, and aiiueiaaon points. When used with the F1-Seuies, the Miseries modules provide inteu-VaAN services and form a pool of layer 3 resources for the system.

Reference
 hips::www.ciscolive201e.com:connect:sessionDetail.ww?SESSIONID=22ee

**Question 5**
Which statement about the layer 3 card on the Cisco Nexus 5500 Series Switch is true?

**Options:**

A. BnP support is not provided, but RIP, Eire, and OSPF support is provided.

B. Up to two e-pout cards are supported with up to 1/0 Nb:s of layer 3 fouwaudini capability.

C. Up to 1/ FEX connectors are supported.

D. Pout channels cannot be continued as layer 3 interfaces.

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Answer: C

Explanation:
Explanaaonn
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 2e Fees without layer 3. With layer 3, the number of Fees supported EU Cisco Nexus 5500 Series device is 8. With Enhanced PC and a dual-homed FEX topology each FEX is managed by both Cisco Nexus 5000 Series devices. As a result, one paid of Cisco Nexus 5500 Series devices can support up to 2e Fees and 1/ Fees for layer 2 and layer 3.

Reference

Question 6
Which statement about SNMP support on Cisco Nexus switches is true?

Options:
A. Cisco NX-OS only supports SNMP over IP ve.
B. Cisco NX-OS supports one instance of the SNMP EU VDC.
C. SNMP is not VRF-aware.
D. SNMP requires the aAN6ENTERPRISE6SERVICES6PKn licence.
E. Only uses belonging to the network operator RBAC role can assign SNMP groups.

Answer: B

Explanation:
Explanaaonn
Cisco NX-OS supports one instance of the SNMP EU virtual device context (VDC). By default, Cisco NX-OS places you in the default VDC. SNMP supports multiple MIB module instances and maps them to logical network names. SNMP is also VRF aware. You can continue SNMP to use a pauaculau VRF to each the SNMP noafcaaon host received. You can also continue SNMP to fleet noafcaaons to an SNMP host received based on the VRF where the noafcaaon

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Question 7
Which nap load-balancini algorithm ensures that a client is always mapped to the same VMAC address?

Options:
A. vmac-weighted
B. dedicated-vmac-mode
C. shortest-path and weighting
D. host-dependent

Answer: D

Explanation:
Explananonn
Host dependent-naBP uses the MAC address of the host to determine which virtual MAC address to direct the host to use. This algorithm guarantees that a host its the same virtual MAC address if the number of virtual fowauudues does not change.

Reference

Question 8
Which three items must be continued in the pout people client in Cisco UCS Managed? (Choose three.)

Options:
A. pout people
B. DVS
C. data centre
D. folded
E. Vicente IP address

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F. VM pout group

**Answer: B, C, D**

**Explanation:**
Afeu associaani an ESX host to a DVS, you can minute exisani VMs from the switch to the DVS, and you can create VMs to use the DVS instead of the switch. With the haudwaue-based VN-aik implementation, when a VM uses the DVS, all VM AFC passes through the DVS and ASIC-based switching is performed by the fabric interconnect.
In Cisco UCS Managed, Doses are humanized in the following hieuauc hn
Vicente Folded (optional)
Datacenteu Folded (required)
DVS
At the top of the hierarchy is the Vicente, which represents a VMwaue Vicente instance. Each Vicente contains one of moue datacenteus, and optionally Vicente folders with which you can humanize the datacenteus. Each datacenteu contains one of moue required datacenteu folders. Datacenteu folders contain the Doses.
Reference

**Question 9**
Refer to the command below. When confiuuin an SVS connection on the Cisco Nexus 5000 Series Switch, which device is being referenced as the remote IP address?
nexus5500-2(confi-svs-conn)# remote IP address 10.10.1.15 pout 80 rough management

**Options:**
A. ESX of ESXi host
B. Vicente
C. PC peer switch
D. Cisco IMC management
Answer: B

Explanation:
Explanaaonn
This command species the host name of IP address for the Vicente Served. Optionally, species the pout number and VRF.
Reference

Question 10
On a Cisco Nexus 7000 Series route, which statement about HSRP and VRRP is true?

Options:
A. When VD Cs are in use, only VRRP is supported.
B. HSRP and VRRP both use the same multicast IP address with different pout numbers.
C. HSRP has shouted default hold and hello Ames.
D. The VRRP group IP address can be the same as the route-specific IP address.

Answer: D

Explanation:
Explanaaonn
VRRP anllows for transparent failover at the fust-hop IP route by confiuuini a group of routes to shape a virtual IP address. VRRP selects a master route in that group to handle all packets for the virtual IP address. The remaining routes are in standby and take over if the master route fails.
Reference

Question 11
Which protocol is the forndation fou united fabric as implemented in Cisco NX-OS?

Options:
https://www.certification-questions.com
A. Fibre Channel
B. Data Centre Buidiini
C. Fibre Channel over Ethernet
D. N proxy viutualizaaon
E. N Pout idenafeu viutualizaaon

Answer: C

Explanation:
Fibre Channnel over Ethernet (Foe) is one of the major components of a United Fabric. Foe is a new technology developed by Cisco that is standardized in the Fibue Channel Backbone 5 (FC-BB-5) working group of Technical Committee T11 of the Inteunaaonal Committee for Infoumaaon Technology Standards (INCITS). Most Laurie data census have huge installed bases of Fibue Channel and want a technology that maintains the Fibue Channel model.
Foe assumes a lossless Ethernet, in which frames are never dropped (as in Fibue Channel) and that therefore does not use IP and TCP.
Reference

Question 12
Run DROP
Dual the network chauacteuisacs on the left to the most appropriate design layer on the light.
<table>
<thead>
<tr>
<th>Options:</th>
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<tr>
<td>A.</td>
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Question 13
Which statement about RBAC used roles on a Cisco Nexus switch is true?

Options:
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 restrictsconfiguration to Fibre Channel interfaces.

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E. On a Cisco Nexus 7000 Series Switch, roles are shaped between VD Cs.

Answer: B

Explanation:
If you belong to multiple roles, you can execute a combination of all the commands permitted by these roles. Access to an command takes priority over being denied access to a command. For example, suppose a used has RoleA, which denied access to the configuration commands. However, the used also have RoleB, which has access to the configuration commands. In this case, the used have access to the configuration commands.

Reference

Question 14
Which statement is true if password-strength checking is enabled?

Options:
A. Shout, 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 shout, easy-to-decipher password), the Cisco NX6OS software will reject you password configuration if password-strength checking is enabled. Be sure to continue a strong password. Passwords are case sensitive.

Reference
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-
Question 15
When an local RBAC used account has the same name as a remote used account on an AAA served, what happens when an used with that name Lois into a Cisco Nexus switch?

Options:
A. The used roles from the remote AAA used account are applied, not the continued local used roles.
B. All the roles are denied (logical OR).
C. The used roles from the local used account are applied, not the remote AAA used roles.
D. Only the roles that are defined on both accounts are denied (logical AND).

Answer: C

Explanation:
Explanaaon
If you hannve a used account continued on the local Cisco NX-OS device that has the same name as a remote used account on an AAA served, the Cisco NX-OS software applies the used roles for the local used account to the remote used, not the used roles continued on the AAA served.

Reference

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