



300-165^{Q&As}

Implementing Cisco Data Center Infrastructure

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QUESTION 1

Which command should you run to limit IS-IS LSP flooding on a network?

- A. isis hello-padding
- B. isis passive-interface
- C. is-type level-1
- D. isis mesh-group ISIS-MESH

Correct Answer: D

Reference: http://www.cisco.com/c/en/us/td/docs/ios/12_2/ip/configuration/guide/1cfisis.html#wp1001173

QUESTION 2

Which two issues explain why a packet is not being routed as desired in a policy-based routing configuration? (Choose two.)

- A. The next hop that is configured in the route map has a higher metric than the default next hop.
- B. The route map is not applied to the egress interface.
- C. The next hop that is configured in the route map is not in the global routing table.
- D. The route map is not applied to the ingress interface.
- E. The next hop that is configured in the route map has a lower metric than the default next hop.

Correct Answer: CE

QUESTION 3

How is a dynamic vNIC allocated?

- A. Dynamic vNICs are assigned to VMs in vCenter.
- B. Dynamic vNICs can only be bound to the service profile through an updating template.
- C. Dynamic vNICs are bound directly to a service profile.
- D. Dynamic vNICs are assigned by binding a port profile to the service profile.

Correct Answer: C

The dynamic vNIC connection policy determines how the connectivity between VMs and dynamic vNICs is configured. This policy is required for Cisco UCS domains that include servers with VIC adapters on which you have installed VMs and configured dynamic vNICs. Each dynamic vNIC connection policy includes an Ethernet adapter policy and designates the number of vNICs that can be configured for any server associated with a service profile that includes the



policy.

For VM-FEX that has all ports on a blade in standard mode, you need to use the VMware adapter policy.

For VM-FEX that has at least one port on a blade in high-performance mode, use the VMwarePassThrough adapter policy or create a custom policy. If you need to create a custom policy, the resources provisioned need to equal the resource requirements of the guest OS that needs the most resources and for which you will be using high-performance mode. http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/vmware/gui/config_guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_chapter_010.html

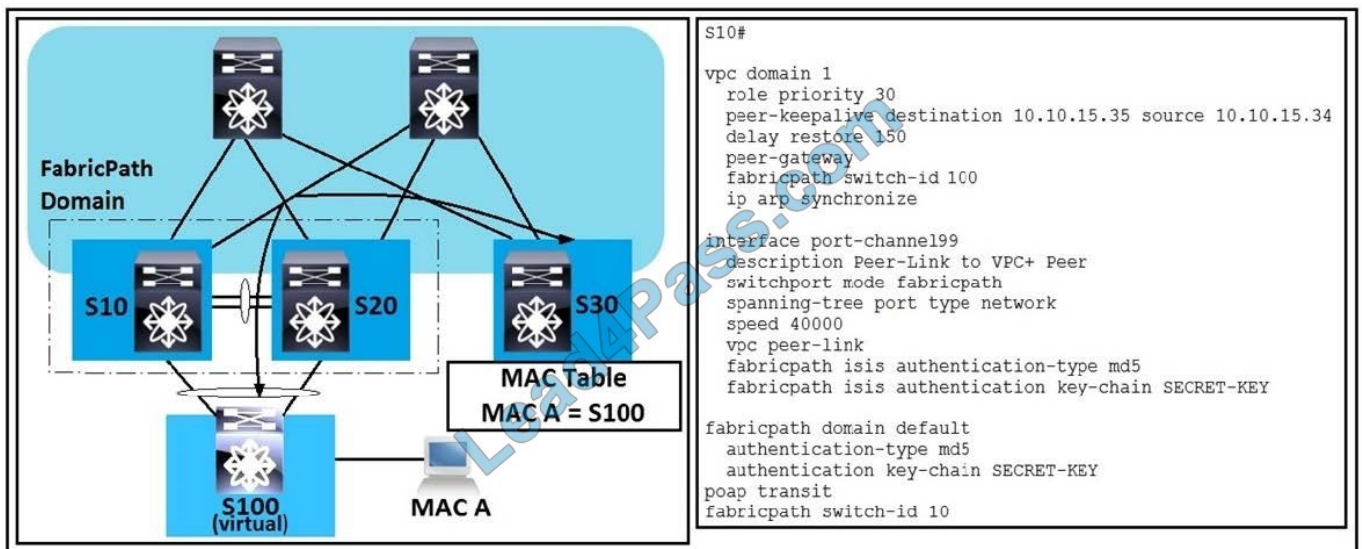
QUESTION 4

Which command is used to associate EID-to-RLOC for a LISP site?

- A. #feature lisp
- B. #ipv6 lisp itr
- C. #ip lisp database-mapping
- D. #ip lisp itr map-resolver

Correct Answer: C

QUESTION 5



Refer to the exhibit. Which statement about the configuration is true?

- A. The emulated switch ID is S30.
- B. The vPC+ domain ID must match on S30.
- C. The peer link is a FabricPath edge port.



D. Packets to MAC A are using S100.

Correct Answer: A

QUESTION 6

Which standard has Cisco used to implement VM-FEX?

- A. IEEE 802.1BR
- B. IEEE 802.1Qbb
- C. IEEE 802.1Qaz
- D. IEEE 802.1p
- E. IEEE 802.1x

Correct Answer: A

QUESTION 7

Within the vPC configuration of the 7K's, the command peer-switch is configured. What is the result of enabling the command?

- A. Both vPC peers use the same STP root ID.
- B. The vPC primary switch (7K-4 in this case) also serves as the STP root to improve vPC convergence.
- C. The vPC secondary switch (7K-3 in this case) server as the STP root to improve vPC performance
- D. Allow 7K-3 to act as the active HSRP gateway for packets that are addressed to the MAC address of 7K-4
- E. Automatically disables IP redirects on all interface VLANs mapped over a vPC VLAN to avoid generation of IP redirect messages for packets switched though the vPC peer gateway router
- F. Enable faster convergence of ARP tables after the vPC peer link flaps.

Correct Answer: B

QUESTION 8

Which function does the graceful restart feature allow a Cisco Nexus 7000 Series router to perform?

- A. Perform a rapid route convergence.
- B. Initialize a standby supervisor transparently when one is present.
- C. Remain in the data forwarding path through a process restart.
- D. Maintain a management connection throughout a router restart.



Correct Answer: C

Graceful Restart and Non Stop Routing both allow for the forwarding of data packets to continue along known routes while the routing protocol information is being restored (in the case of Graceful Restart) or refreshed (in the case of Non Stop Routing) following a processor switchover. When Graceful Restart is used, peer networking devices are informed, via protocol extensions prior to the event, of the SSO capable routers ability to perform graceful restart. The peer device must have the ability to understand this messaging. When a switchover occurs, the peer will continue to forward to the switching over router as instructed by the GR process for each particular protocol, even though in most cases the peering relationship needs to be rebuilt. Essentially, the peer router will give the switching over router a "grace" period to re-establish the neighbor relationship, while continuing to forward to the routes from that peer. http://www.cisco.com/c/en/us/products/collateral/ios-nx-os-software/high-availability/solution_overview_c22-487228.html

QUESTION 9

Which statement about implementation of Cisco TrustSec on Cisco Nexus 5546 or 5548 switches are true?

- A. Cisco TrustSec support varies depending on Cisco Nexus 5500 Series Switch model.
- B. The hardware is not able to support MACsec switch-port-level encryption based on IEEE 802.1AE.
- C. The maximum number of RBACL TCAM user configurable entries is 128k.
- D. The SGT Exchange Protocol must use the management (mgmt 0) interface.

Correct Answer: B

<https://scadahacker.com/library/Documents/Manuals/Cisco%20-%20TrustSec%20Solution%20Overview.pdf>

QUESTION 10

Which feature must be configured before you can implement a dynamic ARP inspection to validate ARP packet?

- A. MACsec encryption
- B. unicast RPF
- C. DHCP snooping
- D. IP Source Guard

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/security/602_N1_2/b_5500_Security_Config_602N12/b_5500_Security_Config_602N12_chapter_01100.pdf

QUESTION 11

Which feature enables NIV?

- A. EHV



- B. vPC
- C. Cisco FabricPath
- D. Cisco OTV
- E. VN-Tag

Correct Answer: A

EHV is the feature that enables NIV.

QUESTION 12

Which option is supported when configuring a VACL?

- A. redirect to a SPAN destination port
- B. log of traffic that is matched by a VACL by using a MAC ACL
- C. egress VACL that contains decapsulated VXLAN traffic
- D. access map entry that uses an IP or MAC ACL

Correct Answer: A

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