



642-883^{Q&As}

Deploying Cisco Service Provider Network Routing

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QUESTION 1

BGP peerings can be secured using which protection mechanism?

- A. SHA authentication
- B. MD5 authentication
- C. SSH
- D. SSL
- E. AAA
- F. digital certificates

Correct Answer: B

http://www.cisco.com/en/US/tech/tk365/technologies_configuration_example09186a0080b52107.shtml

QUESTION 2

In which network environment is IS-IS adjacency check important?

- A. in a multitopology environment where there are different instances of IS-IS running on the same router
- B. in an IPv4/IPv6 environment and running single-topology IS-IS
- C. when a level L1/L2 IS-IS router is neighboring with a Level 1 only or Level 2 only router
- D. when IS-IS neighbors are in an NBMA environment like over Frame Relay
- E. when IS-IS neighbors are in a broadcast environment like an Ethernet LAN

Correct Answer: B

Disabling IPv6 Protocol-Support Consistency Checks

Perform this task to disable protocol-support consistency checks in IPv6 single-topology mode.

For single-topology IS-IS IPv6, routers must be configured to run the same set of address families. IS-IS performs consistency checks on hello packets and will reject hello packets that do not have the same set of configured address families. For example, a router running IS-IS for both IPv4 and IPv6 will not form an adjacency with a router running IS-IS for IPv4 or IPv6 only. In order to allow adjacency to be formed in mismatched address-families network, the adjacency-check command in IPv6 address family configuration mode must be disabled.

Entering the no adjacency-check command can adversely affect your network configuration. Enter the no adjacency-check command only when you are running IPv4 IS-IS on all your routers and you want to add IPv6 IS-IS to your network but you need to maintain all your adjacencies during the transition. When the IPv6 IS-IS configuration is complete, remove the adjacency-check command from the configuration.





C:\Documents and Settings\user-nwz\Desktop\1.JPG

QUESTION 3

A network engineer implements IS-IS authentication in a router. When the engineer implements the same password on the router's peer, the output below is displayed with the debug IS-IS authentication information:

* Nov 6 13:23:46:967: ISIS-Authinfo: No auth TLV found in received packet

Which option is one reason for this output?

- A. Authentication was not configured on the router that sent the update.
- B. The length of the password is not the same.
- C. There is an error with the NET address in one of the routers.
- D. The authentication is set the same way, but the password does not match.

Correct Answer: A

QUESTION 4

Drag the regular expression special character used in AS-Path access-list configuration on the left to match the correct description on the right.

Select and Place:

Drag the regular expression special character used in AS-Path access-list configuration on the left to match the correct description on the right.	
^	Matches the end of the AS path string
\$	Matches the start of the AS path string
.	Matches any single character
	Matches any delimiter

Correct Answer:

Drag the regular expression special character used in AS-Path access-list configuration on the left to match the correct description on the right.	
	\$
	^
	.



QUESTION 5

For which reason might an enterprise's Internet circuits use private AS BGP peerings?

- A. The enterprise wishes to obscure internal routing information from the Internet.
- B. The enterprise owns their own IP space.
- C. All redundant circuits are through the same provider.
- D. The enterprise uses BGP confederations internally.

Correct Answer: C

QUESTION 6

Why would a network engineer want to implement BGP peer groups on Cisco IOS XE routers?

- A. to have a single point of configuration for all route maps used with BGP
- B. to have a single point of configuration for neighbors with the same BGP policies
- C. to have a single point of configuration for all global BGP configurations
- D. to have a single point of configuration for all Layer 3 VPN customer VRFs

Correct Answer: B

QUESTION 7

Drag and drop the terms on the left onto the appropriate definition on the right.

Select and Place:



NSP	Is a network that solely purchases transit from other networks to reach the Internet
Tier 1 ISP	peers with some networks, but purchases IP transit or pays settlements to reach some portion of the Internet
Tier 2 ISP	peers with other ISPs of the same Tier level to form the backbone of the Internet
Tier 3 ISP	provides or sells access and bandwidth into its backbone infrastructure and network access points
NAP	interconnects network service providers

Correct Answer:

	Tier 3 ISP	ses transit from ernet
	Tier 2 ISP	purchases IP each some
	Tier 1 ISP	me Tier level ernet
	NSP	ndwidth into its twork access
	NAP	providers

Is a network that solely purchases transit from other networks to reach the Internet

QUESTION 8

An engineer is deciding what BFD implementation would be most appropriate for a legacy and unstable Packet Over SONET link. Which solution should be suggested?

- A. aggressive timers with the lowest possible multiplier
- B. slow timers with the lowest possible multiplier



C. aggressive timers with a very high multiplier

D. averages of a sequence of ping test response times to the remote peer

Correct Answer: A

QUESTION 9

Which option describes a function of an OSPF virtual link?

A. Create redundant path between an area and the backbone.

B. Provide a backdoor link for traffic to flow through between areas.

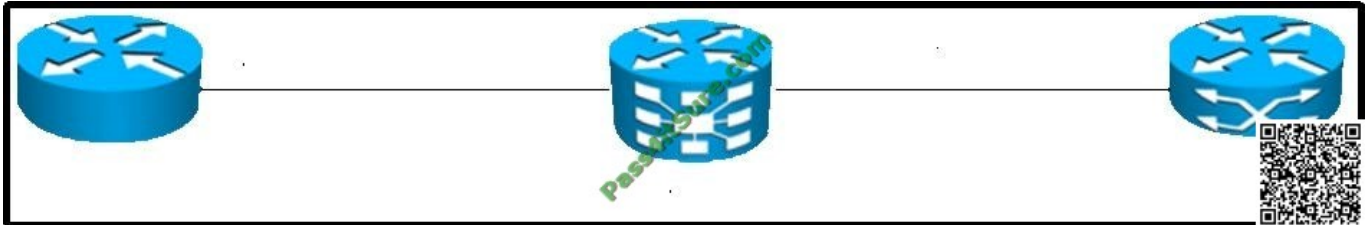
C. Connect the two parts of a partitioned backbone through a nonbackbone area.

D. Create a virtual connection between two routers from different areas.

Correct Answer: C

QUESTION 10

Refer to the exhibit.



Which configuration is required on XR2 to enable MD5 IS-IS Authentication between R1 and XR2 using the password CISCO?

A. Router isis ABC interface GigabitEthernet0/0/0/0 hello-password encrypted CISCO

B. Router isis ABC interface GigabitEthernet0/0/0/0 hello-password hmac-md5 CISCO

C. Router isis ABC lsp-password hmac-md5 CISCO

D. Router isis ABC lsp-password encrypted CISCO

Correct Answer: B

QUESTION 11

Which statement best describes the function of a BGP af-group?

A. Use templates in different neighbors so it makes the BGP implementation easier.



- B. Group different address family neighbors inside BGP.
- C. Create a group of neighbors that can inherit address family configuration inside BGP.
- D. Substitute the class maps inside BGP on Cisco IOS XR devices.

Correct Answer: B

QUESTION 12

Which configuration is used when matching a prefix-list in a route map?

- A. match ip address prefix-list mylist
- B. match ip address mylist
- C. match ip next-hop mylist
- D. ip local-policy route-map mylist
- E. ip-policy route-map mylist

Correct Answer: A

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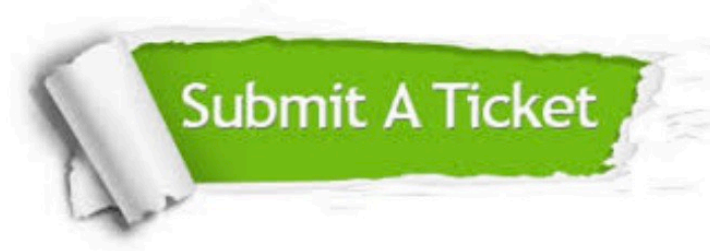
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