



642-883^{Q&As}

Deploying Cisco Service Provider Network Routing

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QUESTION 1

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 2

Refer to the Cisco IOS XR route policy exhibit.

```
route-policy new
  if community matches-any test then
    set local-preference 10
  elseif community matches-every foo then
    set local-preference 20
  else
    pass
  endif
end-policy
```

Which two statements are correct? (Choose two.)

- A. "test" and "foo" are references to the community sets.
- B. The "match-any" option indicates matching either the standard community or extended community.
- C. Routes that match both the "test" and "foo" conditions will have their local preference set to 20.
- D. All non-matching routes will be permitted.

Correct Answer: AD

QUESTION 3

Refer to the Cisco IOS route map configuration exhibit.



```
route-map test permit 10
match ip address prefix-list PL1 PL2
match as-path APACL1
set local-preference 200
set metric 1000
!
route-map test permit 100
```

Which two statements are correct? (Choose two.)

- A. The match prefix-list condition is a logical OR: match prefix list PL1 OR PL2.
- B. All match conditions are logical OR: match prefix list PL1 OR PL2 OR match the APACL1 AS path access list.
- C. The three match conditions are logical AND. match prefix list PL1 AND PL2 AND match the APACL1 AS path access list.
- D. The local preference AND the metric will be set to 100 IF the route matches the PL1 OR PL2 prefix list AND the route must also match the APACL1 AS path access list.
- E. All routes that are not matched by the sequence 10 route map statement will be dropped.

Correct Answer: AD

http://www.routeralley.com/ra/docs/route_maps.pdf

When match criteria is contained within a single line, a logical OR is applied.

QUESTION 4

An engineer is working on routers within AS 100. Which regular expression can be used in an AS path access list to match locally originated routes from AS 100?

- A. ^100\$
- B. ^\$
- C. _100\$
- D. ^[0-9]*\$

Correct Answer: B

QUESTION 5

Referring to the partial Cisco IOS-XR BGP configuration exhibit, when trying to commit this configuration, the following error is displayed:

% Failed to commit one or more configuration items during a pseudo-atomic operation. All changes made have been reverted. Please issue `\\show configuration failed\\` from this session to view the errors.



```
router bgp 65111
!
neighbor 10.1.1.1
remote-as 65111
update-source Loopback0
address-family ipv4 unicast
!
!
neighbor 2001:db8:10:1:1::1
remote-as 65111
update-source Loopback0
address-family ipv6 unicast
!
```

What is wrong with the configuration?

- A. IPv6 unicast routing has not been enabled globally using the ipv6 unicast-routing command
- B. The configuration is missing the required network command
- C. The update-source loopback 0 commands must be configured under the respective neighbor address-family
- D. The configuration is missing the address-family ipv4 unicast and address-family ipv6 unicast commands under router bgp 65111

Correct Answer: D

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