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Designing Cisco Enterprise Networks (ENSLD)

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QUESTION 1

A network engineer must design an MSDP multicast solution to provide RP resilience in a network with two separate domains. Also, multicast sources and receivers must register with the local RP. Which solution must the engineer choose?

A. Configure the RP has value to 0, and traffic will route to the closest RP

B. Configure the RP loopback interface with the same IP address/32, and traffic will route to the closest RP

C. Configure the RP group ranges to split the multicast traffic, and traffic will route to the longest match

D. Configure the RP priority with the same value, and traffic will route to the closest RP

Correct Answer: B

QUESTION 2

An engineer uses Postman and YANG to configure a router with:

1.

OSPF process ID 400

2.

network 192.168.128.128/25 enabled for Area 0

Which get-config reply verifies that the model set was designed correctly?

A.
```
<rpc-reply message-id="urn:uuid:1b3d05cd-8118-3e6a-6c05-021345678aaf"
                 xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:
  <data>
   <native xmlns="http://cisco.com/ns/yang/ned/ios">
    <router>
     <ospf>
      <id>400</id>
      <network>
       <ip>1192.168.128.128</ip>
       <mask>0.0.0.128</mask>
       <area>0</area>
      </network>
     </ospf>
    </router>
   </native>
  </data>
</rpc-reply>
```

B.
```
<rpc-reply message-id="urn:uuid:1b3d05cd-8118-3e6a-6c05-403478311aaf"
      xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:param
  <data>
   <native xmlns="http://cisco.com/ns/yang/ned/ios">
    <router>
     <ospf>
      <id>400</id>
      <network>
       <ip>192.168.128.128</ip>
       <mask>0.0.0.127</mask>
       <area>0</area>
      </network>
     </ospf>
    </router>
   </native>
  </data>
</rpc-reply>
```

C.
```
<rpc-reply message-id="urn:uuid:1b3d05cd-8118-3e6a-6c05-012354678aaf"
                 xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="u
  <data>
   <native json="http://cisco.com/ns/yang/ned/ios">
    <router>
     <ospf>
      <id>400</id>
      <network>
       <ip>192.168.128.128</ip>
       <mask>0.0.0.127</mask>
       <area>0</area>
      </network>
     </ospf>
    </router>
   </native>
  </data>
</rpc-reply>
```

D.
```
<rpc-reply message-id="urn:uuid:1b3d05cd-8118-3e6a-6c05-012435678aaf"
      xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
  <data>
   <native xmlns="http://cisco.com/ns/yang/ned/ios">
    <router>
     <ospf>
      <id>400</id>
      <network>
       <ip>192.168.128.128</ip>
       <mask>255.255.255.128</mask>
       <area>0</area>
      </network>
     </ospf>
    </router>
   </native>
  </data>
</rpc-reply>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 3

Which QoS feature responds to network congestion by dropping lower priority packets?

A. CBWFQ

B. tail drop

C. WRED

D. strict priority

Correct Answer: C

QUESTION 4

Refer to the exhibit.

```
Switch(config)# interface gig0/2
Switch(config-if)# switchport port-security
Switch(config-if)# switchport port-security maximum 1
Switch(config-if)# switchport port-security mac-address 00-d0-ba-11-21-31
Switch(config-if)# switchport port-security violation shutdown
Switch(config-if)#end
```

A Cisco Catalyst switch is configured to allow only one MAC address to be learned manually on interface gig0/2. Which command must be run to dynamically learn the devices that are connected to the switch port?

A. switchport port-security mac-address sticky

B. switchport port-security mac-address auto

C. switchport port-security aging

D. switchport port-security maximum 1 auto

Correct Answer: A

QUESTION 5

An engineer is upgrading a company\\'s main site to include a connection to a second ISP. The company will receive full Internet routing tables from both ISPs via BGP. The engineer must ensure that the company does not become a transit autonomous system. Which solution should be included in this design?

A. Tag incoming routes from both ISPs with BGP community no-export.

B. Lower the MED for updates sent to the secondary ISP.

C. Use a route-map to prevent all prefixes from being advertised to either ISP.

D. Modify the local-preference for routes incoming from the primary ISP.

Correct Answer: A

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