350-501 Q&As

Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR)

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QUESTION 1

SIMULATION

Guidelines

This is a lab item in which tasks will be performed on virtual devices.

Refer to the Tasks tab to view the tasks for this lab item.

Refer to the Topology tab to access the device console(s) and perform the tasks.

Console access is available for all required devices by clicking the device icon or using the tab(s) above the console window.

All necessary preconfigurations have been applied.

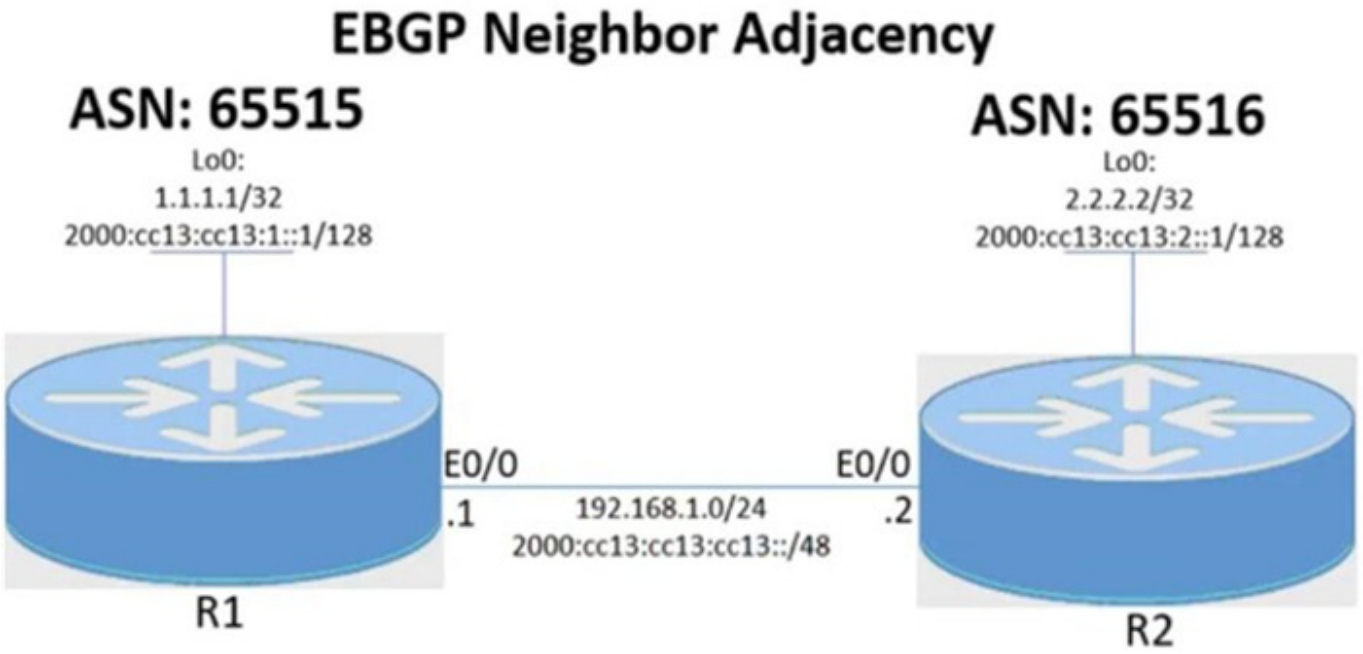
Do not change the enable password or hostname for any device.

Save your configurations to NVRAM before moving to the next item.

Click Next at the bottom of the screen to submit this lab and move to the next question.

When Next is clicked, the lab closes and cannot be reopened.

Topology



Tasks

Configure the BGP routing protocol for R1 and R2 according to the topology to achieve these goals:

1.

Configure EBGP neighbor adjacency for the IPv4 and IPv6 address family between R1 and R2 using Loopback0 IPv4 and IPv6 addresses. All BGP updates must come from the Loopback0 interface as the source. Do not use IGP routing protocols to complete this task.

2.

Configure MD5 Authentication for the EBGP adjacency between R1 and R2. The password is clear text C1sc0!.

A. See explanation below.

Correct Answer: A

Explanation:

R1: conf t

ip route 2.2.2.2 255.255.255.255 192.168.1.2 ip route 2000:cc13:cc13:2::1/128 2000:cc13:cc13:cc13::2

router bgp 65515 neighbor 2000:cc13:cc13:2::1 remote-as 65516 neighbor 2000:cc13:cc13:2::1 update-source lo0 neighbor 2000:cc13:cc13:2::1 disable-connected-check neighbor 2000:cc13:cc13:2::1 ebgp-multihop 2 neighbor 2000:cc13:cc13:2::1 password C1sc0!. neighbor 2.2.2.2 remote-as 65516 neighbor 2.2.2.2 update-source lo0 neighbor 2.2.2.2 disable-connected-check neighbor 2.2.2.2 ebgp-multihop 2 neighbor 2.2.2.2 password C1sc0!.

address-family ipv4 unicast neighbor 2.2.2.2 activate

address-family ipv6 neighbor 2000:cc13:cc13:2::1 activate do copy running-config startup-config

R2: conf t

ip route 1.1.1.1 255.255.255.255 192.168.1.1 ip route 2000:cc13:cc13:1::1/128 2000:cc13:cc13:cc13::1

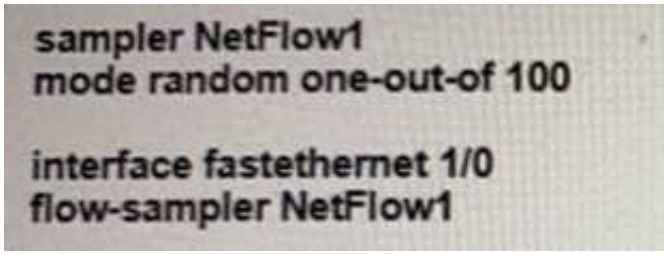
router bgp 65516 neighbor 2000:cc13:cc13:1::1 remote-as 65515 neighbor 2000:cc13:cc13:1::1 update-source lo0 neighbor 2000:cc13:cc13:1::1 disable-connected-check neighbor 2000:cc13:cc13:1::1 ebgp-multihop 2 neighbor 2000:cc13:cc13:1::1 password C1sc0!. neighbor 1.1.1.1 remote-as 65515 neighbor 1.1.1.1 update-source lo0 neighbor 1.1.1.1 disable-connected-check neighbor 1.1.1.1 ebgp-multihop 2 neighbor 1.1.1.1 password C1sc0!.

address-family ipv4 unicast neighbor 1.1.1.1 activate

address-family ipv6 neighbor 2000:cc13:cc13:1::1 activate do copy running-config startup-config

QUESTION 2

A network engineer is configuring Flexible NetFlow and enters these commands What are two results of implementing this feature instead of traditional NetFlow? (Choose two.)



A. CPU and memory utilization are reduced.

B. Only the flows of top 100 talkers are exported.

C. The data export flow is more secure

D. The number of packets to be analyzed are reduced.

E. The accuracy of the data to be analyzed is improved.

Correct Answer: AD

QUESTION 3

Refer to the exhibit.

```
POST
https://apic-ip-address/api/mo/uni.xml
<?xml version="1.0" encoding="UTF-8"?>
<!-- api/policymgr/mo/uni.xml -->
<polUni>
   <infraInfra>
        <!-- Static VLAN range -->
        <fvnsVlanInstP name="inband" allocMode="static">
                <fvnsEncapBlk name ="encap" from="vlan-5" to="vlan-10"/>
        </fvnsVlanInstP>
      </infraInfra>
</polUni>
```

What does the script configure?

A. a VLAN namespace

B. selectors for the in-band management

C. a physical domain

D. a static VLAN

Correct Answer: A

QUESTION 4

Refer to the exhibit.

R1# configure terminalR1(config)# router isis area2R1(config-router)# metric-style wide level-1

An engineer is configuring multitiopology IS-IS for IPv6 on router R1. Which additional configuration must be applied to complete the task?

A. R1# configure terminalR1(config)# router isis area2 R1(config-router)# address-family ipv6R1(config-router-af)# multi-topology

B. R1# configure terminalR1(config)# router isis area1 R1(config-router)# metric-style wide level-2R1(config-router)# address-family ipv6R1(config-router-af)# multi-topology

C. R1# configure terminalR1(config)# router isis area2 R1(config-router)# metric-style wideR1(config-router)# address-family ipv6R1(config-router-af)# multi topology

D. R1# configure terminal

R1(config)# router isis area1

R1(config-router)# metric-style wide level-1

R1(config-router)# address-family ipv6

R1(config-router-af)# multi topology

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_isis/configuration/15-mt/irs-15-mt-book/ip6-route-multi-isis.html

QUESTION 5

After a possible security breach, the network administrator of an ISP must verify the times that several different users logged into the network. Which command must the administrator enter to display the login time of each user that activated a session?

A. show netconf-yang sessions detail

B. show netconf-yang sessions

C. show netconf-yang datastores

D. show platform software yang-management process

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/167/b_167_programmability_cg/configuring_yang_datamodel.html

```
Device# show netconf-yang sessions detail

R: Global-lock on running datastore
C: Global-lock on candidate datastore
S: Global-lock on startup datastore

Number of sessions     : 1

session-id             : 19
transport              : netconf-ssh
username               : admin
source-host            : 2001:db8::1
login-time             : 2018-10-26T12:37:22+00:00
in-rpcs                : 0
in-bad-rpcs            : 0
out-rpc-errors         : 0
out-notifications      : 0
global-lock            : None
```