Free Questions for 350-401

Shared by Evans on 12-12-2023

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Question 1

Question Type: MultipleChoice

Refer to the exhibit.

```
flow monitor FLOW-MONITOR-1
 record netflow ipv6 original-input
 exit
!
sampler SAMPLER-1
 mode deterministic 1 out-of 2
 exit
!
ip cef
ipv6 cef
!
interface GigabitEthernet 0/0/0
 ipv6 address 2001:DB8:2:ABCD::2/48
 ipv6 flow monitor FLOW-MONITOR-1 sampler SAMPLER-1 input
!
```

What is the effect of introducing the sampler feature into the Flexible NetFlow configuration on the router?

Options:

A- NetFlow updates to the collector are sent 50% less frequently.
B- Every second IPv4 packet is forwarded to the collector for inspection.
C- CPU and memory utilization are reduced when compared with what is required for full NetFlow.
D- The resolution of sampling data increases, but it requires more performance from the router.

Answer:

C

Explanation:

The sampler feature in Flexible NetFlow configuration allows the router to sample data packets rather than processing every packet that passes through it. This reduces the CPU and memory utilization as only a subset of packets is inspected, leading to more efficient use of resources while still providing valuable insights into network traffic patterns.

References:

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

Cisco Training & Certification resources

Question 2

Question Type: DragDrop

Drag and drop the characteristics from the left onto the architectures on the right.



Answer:

See the Answer in the Premium Version!

Question 3

Question Type: MultipleChoice

What is a benefit of YANG modules?

Options:

A- tightly coupled models with encoding to improve performance
B- easier multivendor interoperability provided by common or industry models
C- avoidance of ecosystem fragmentation by having fixed that cannot be changed
D- single protocol and model couple to simplify maintenance and supported

Answer:

B

Explanation:

YANG modules facilitate easier multivendor interoperability through the use of common or industry models, which simplifies the management of network devices from various vendors.

Question 4

Question Type: MultipleChoice

Refer to the Exhibit.



Refer to the exhibit. Why was the response code generated?

Options:

A- The resource was unreachable
B- Access was denied based on the user permissions.
C- The resource 15 no longer available on the server.
D- There Is a conflict in the current stale of the resource.

Answer:

B

Explanation:

The response code 403 indicates that access was denied based on user permissions. This HTTP status code signifies that the server understood the request but refuses to authorize it, typically due to the client not having the necessary permissions for the requested resource.

Question 5

Question Type: MultipleChoice

What is a characteristics of traffic shaping?

Options:

A- can be applied in both traffic direction
B- queues out-of-profile packets until the buffer is full
C- drops out-of-profile packets
D- causes TCP retransmits when packet are dropped

Answer:

B

Explanation:

Traffic shaping is a bandwidth management technique thatdelays the flow of out-of-profile trafficto ensure compliance with a specified traffic profile. It buffers excess packets until there is available bandwidth, rather than dropping them immediately.This helps in controlling the amount of traffic sent into the network, preventing congestion1.

References:= Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR) v1.0 training material1.

Question 6

Question Type: MultipleChoice

Which QoS queuing method transmits packets out of the interface in the order the packets arrive?

Options:

A- custom
B- weighted- fair
C- FIFO

D- priority

Answer:

C

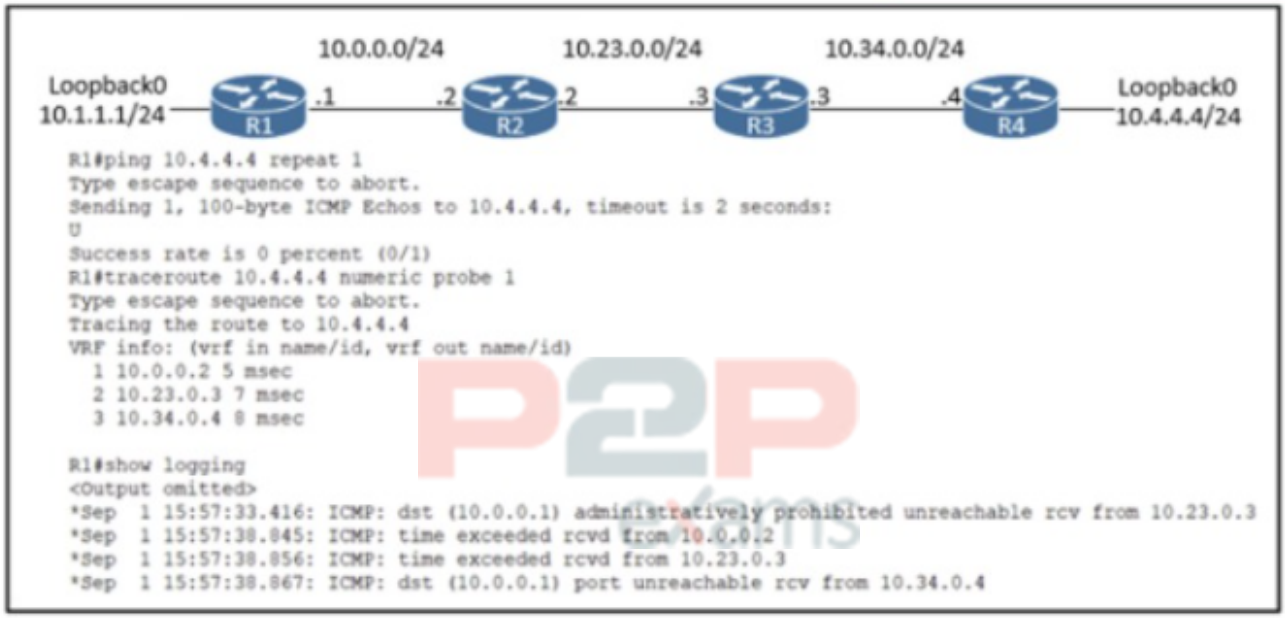
Explanation:

The QoS queuing method that transmits packets out of the interface in the order the packets arrive is First In, First Out (FIFO).This method ensures that packets are sent in the exact same order they were received, without any prioritization or reordering.References:= Study CCNA: Quality of Service (QoS) Queues and Queuing Explained3.

Question 7

Question Type: MultipleChoice

Refer to the Exhibit.



Refer to the exhibit. What is the cause of the communication failure between R1 and R4?

Options:

A- R1 is configured with the no ip unreachables command.

B- R2 is denying ICMP

C- R4 is denying ICMP.

D- R3 is denying ICMP.

Answer:

C

Explanation:

The communication failure between R1 and R4 is caused by R4 denying ICMP. In the exhibit, it is shown that ICMP port unreachable received from 10.34.0.4 which indicates that R4 is configured to deny ICMP messages, leading to the communication failure.References: Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR) study guide.

Question 8

Question Type: MultipleChoice

Which mechanism can be used to enforce network access authentication against an AAA server if the endpoint does not support the 802.1X supplicant functionality?

Options:

A- private VLANs
B- port security
C- MAC Authentication Bypass
D- MACsec

Answer:

C

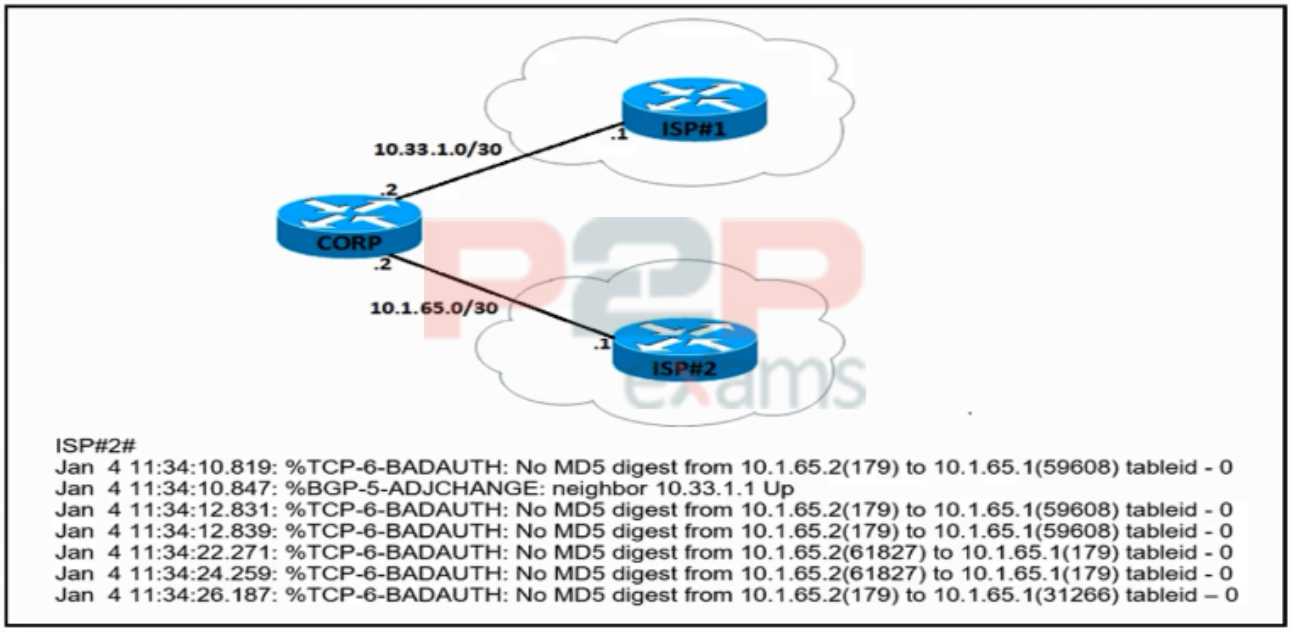
Explanation:

MAC Authentication Bypass (MAB) is a mechanism used to authenticate devices that do not support 802.1X supplicant functionality. MAB allows devices to be authenticated based on their MAC address, providing an alternative method for enforcing network access control against an AAA server.

Question 9

Question Type: MultipleChoice

Refer to the exhibit.



An engineer attempts to establish BGP peering between router CORP and two ISP routers. What is the root cause for the failure between CORP and ISP#2?

Options:

A- Router ISP#2 is configured to use SHA-1 authentication.
B- There is a password mismatch between router CORP and router ISP#2.
C- Router CORP is configured with an extended access control list.
D- MD5 authorization is configured incorrectly on router ISP#2.

Answer:

B

Explanation:

The failure of BGP peering between router CORP and ISP#2 is due to a password mismatch. BGP peering requires both routers to have matching passwords if password authentication is configured. If the passwords do not match, the BGP session will not be established, and the routers will not exchange routes.

Question 10

Question Type: MultipleChoice

Refer to the exhibit:

```
R1#show running-config interface fa0/0
Building configuration...

Current configuration: 192 bytes
!
interface FastEthernet0/0
 ip address 192.68.3.5 255.255.255.0
 duplex full
 vrrp 1 ip 192.168.3.1
 vrrp 1 priority 110
 vrrp 1 authentication text cisco
 vrrp 1 track 20 decrement 20
end

R1#show running-config | include track 20
track 20 ip route 10.10.1.1 255.255.255.255 reachability
```

```
R2#show running-config interface fa0/0
Building configuration...

Current configuration: 141 bytes
!
interface FastEthernet0/0
 ip address 192.68.3.2 255.255.255.0
 duplex full
 vrrp 1 ip 192.168.3.1
 vrrp 1 authentication text cisco
end
```

An engineer configures VRRP and issues the show commands to verify operation. What does the engineer confirm about VRRP group 1 from the output?

Options:

A- There is no route to 10.10.1.1/32 in R2's routing table
B- If R1 reboots, R2 becomes the master virtual router until R2 reboots
C- Communication between VRRP members is encrypted using MD5
D- R1 is primary if 10.10.1.1/32 is in its routing table

Answer:

D

Explanation:

VRRP (Virtual Router Redundancy Protocol) allows for the automatic assignment of available IP routers to participating hosts. In this case, the output shows that R1 has a higher priority set

(110) over the default priority (which is typically 100), making it the primary router for VRRP group 1 as long as it has the IP address 10.10.1.1/32 in its routing table, which would make it reachable according to the 'track' statement configuration.

Question 11

Question Type: MultipleChoice

Which function is performed by vSmart in the Cisco SD-WAN architecture?

Options:

A- distribution of IPsec keys
B- Redistribution between OMP and other routing protocols
C- facilitation of NAT detection and traversal
D- execution of localized policies

Answer:

A

Explanation:

In the Cisco SD-WAN architecture, the vSmart controller is responsible for the control plane of the overlay network. It plays a crucial role in distributing IPsec keys among all WAN Edge routers within the network, which is essential for securing data plane traffic encryption across the overlay network.References: Implementing and Operating Cisco Service Provider Network Core Technologies source documents or study guide.

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