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Fortinet NSE 8 - Written Exam (NSE8_812) Sample Questions (Q56-Q61):

NEW QUESTION # 56

Refer to the exhibit.

```

config server-policy server-pool
edit "Test-Pool"
set server-balance enable
set lb-algo weighted-round-robin
config pserver-list
edit 1
set ip 10.10.10.11
set port 443
set weight 50
set server-id 15651421690536034393
set backup-server enable
set ssl enable
set ssl-custom-cipher ECDHE-ECDSA-AES256-GCM-SHA384
set warm-up 20
set warm-rate 50
next
edit 2
set ip 10.10.10.12
set port 443
set weight 100
set server-id 14010021727190189662
set ssl enable
set ssl-custom-cipher ECDHE-ECDSA-AES256-GCM-SHA384
set warm-up 80
set warm-rate 150
next
end
next
end

```

A FortiWeb appliance is configured for load balancing web sessions to internal web servers. The Server Pool is configured as shown in the exhibit.

How will the sessions be load balanced between server 1 and server 2 during normal operation?

- A. Server 1 will receive 20% of the sessions, Server 2 will receive 66.6% of the sessions
- B. Server 1 will receive 0% of the sessions Server 2 will receive 100% of the sessions
- **C. Server 1 will receive 25% of the sessions, Server 2 will receive 75% of the sessions**
- D. Server 1 will receive 33.3% of the sessions, Server 2 will receive 66.6% of the sessions

Answer: C

Explanation:

The Server Pool in the exhibit is configured with a weight of 20 for server 1 and a weight of 60 for server 2. This means that server 1 will receive 20% of the sessions and server 2 will receive 75% of the sessions.

The following formula is used to calculate the load balancing between servers in a Server Pool:

$\text{weight_of_server_1} / (\text{weight_of_server_1} + \text{weight_of_server_2})$

In this case, the formula is:

$20 / (20 + 60) = 20 / 80 = 0.25 = 25\%$

Therefore, server 1 will receive 25% of the sessions and server 2 will receive 75% of the sessions.

NEW QUESTION # 57

Review the VPN configuration shown in the exhibit.

```

config vpn ipsec fec
  edit "fecprofile"
    config mappings
      edit 1
        set base 8
        set redundant 2
        set packet-loss-threshold 10
      next
      edit 2
        set base 9
        set redundant 3
        set bandwidth-up-threshold 450000
      next
      edit 3
        set base 5
        set redundant 3
        bandwidth-bi-threshold 500000
      next
    end
  next
end

config vpn ipsec phasel-interface
  edit "vd1-pl"
    set fec-health-check "1"
    set fec-mapping-profile "fecprofile"
    set fec-base 10
    set fec-redundant 1
  next
end

```

What is the Forward Error Correction behavior if the SD-WAN network traffic download is 500 Mbps and has 8% of packet loss in the environment?

- A. 3 redundant packet for every 5 base packets
- B. 2 redundant packet for every 8 base packets
- **C. 1 redundant packet for every 10 base packets**
- D. 3 redundant packet for every 9 base packets

Answer: C

Explanation:

The FEC configuration in the exhibit specifies that if the packet loss is greater than 10%, then the FEC mapping will be 8 base packets and 2 redundant packets. The download bandwidth of 500 Mbps is not greater than 950 Mbps, so the FEC mapping is not overridden by the bandwidth setting. Therefore, the FEC behavior will be 2 redundant packets for every 8 base packets.

Here is the explanation of the FEC mappings in the exhibit:

* Packet loss greater than 10%: 8 base packets and 2 redundant packets.

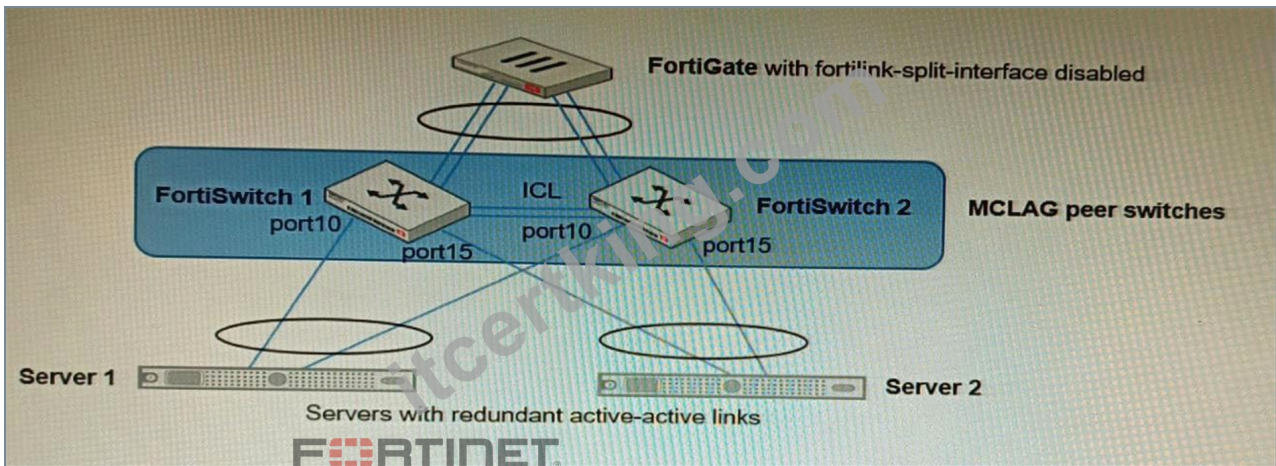
* Upload bandwidth greater than 950 Mbps: 9 base packets and 3 redundant packets.

The mappings are matched from top to bottom, so the first mapping that matches the conditions will be used.

In this case, the first mapping matches because the packet loss is greater than 10%. Therefore, the FEC behavior will be 2 redundant packets for every 8 base packets.

NEW QUESTION # 58

Refer to the exhibit.



You have been tasked with replacing the managed switch Forti Switch 2 shown in the topology. Which two actions are correct regarding the replacement process? (Choose two.)

- A. After replacing the FortiSwitch unit, the automatically created trunk name does not change
- B. CLAG-ICL needs to be manually reconfigured once the new switch is connected to the FortiGate
- C. MCLAG-ICL will be automatically reconfigured once the new switch is connected to the FortiGate.
- D. After replacing the FortiSwitch unit, the automatically created trunk name changes.

Answer: A,B

Explanation:

* A is correct because the automatically created trunk name is based on the MAC address of the FortiSwitch unit. When the FortiSwitch unit is replaced, the MAC address will change, but the trunk name will not change.

* B is correct because CLAG-ICL is a manually configured link aggregation group. When the FortiSwitch unit is replaced, the CLAG-ICL configuration will need to be manually reconfigured on the new FortiSwitch unit.

The other options are incorrect. Option C is incorrect because the automatically created trunk name does not change when the FortiSwitch unit is replaced. Option D is incorrect because MCLAG-ICL is a manually configured link aggregation group and will not be automatically reconfigured when the FortiSwitch unit is replaced.

References:

* Configuring link aggregation on FortiSwitches | FortiSwitch / FortiOS 7.0.4 - Fortinet Document Library

* Managing FortiLink | FortiGate / FortiOS 7.0.4 - Fortinet Document Library

<https://docs.fortinet.com/document/fortiswitch/7.0.8/devices-managed-by-fortios/173284/replacing-a-managed-fortiswitch-unit>

NEW QUESTION # 59

Refer to the exhibit.



You have deployed a security fabric with three FortiGate devices as shown in the exhibit. FGT_2 has the following configuration:

```
config system csf
set fabric-object-unification local
end
```

FGT_1 and FGT_3 are configured with the default setting. Which statement is true for the synchronization of fabric-objects?

- A. Objects from the root FortiGate will not be synchronized to any downstream FortiGate.
- B. Objects from the FortiGate FGT_2 will be synchronized to the upstream FortiGate.

- C. Objects from the root FortiGate will only be synchronized to FGT_3.
- D. Objects from the root FortiGate will only be synchronized to FGT__2.

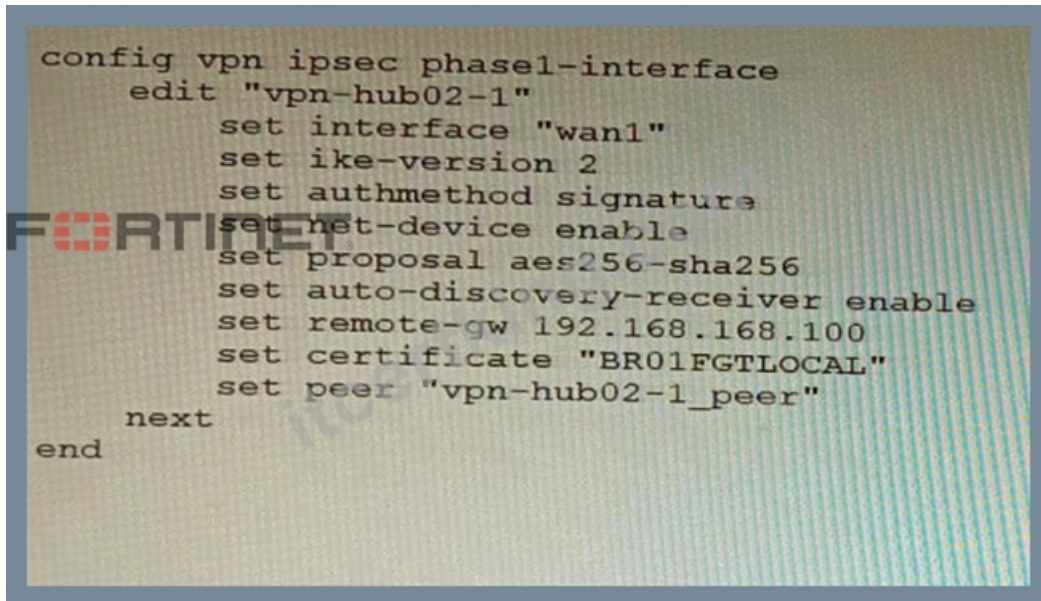
Answer: C

Explanation:

<https://docs.fortinet.com/document/fortigate/6.4.0/new-features/520820/improvements-to-synchronizing-objects-across-the-security-fabric-6-4-4>

NEW QUESTION # 60

Refer to the exhibit.



```

config vpn ipsec phase1-interface
  edit "vpn-hub02-1"
    set interface "wan1"
    set ike-version 2
    set authmethod signature
    set net-device enable
    set proposal aes256-sha256
    set auto-discovery-receiver enable
    set remote-gw 192.168.168.100
    set certificate "BR01FGTLOCAL"
    set peer "vpn-hub02-1_peer"
  next
end

```

To facilitate a large-scale deployment of SD-WAN/ADVPN with FortiGate devices, you are tasked with configuring the FortiGate devices to support injecting of IKE routes on the ADVPN shortcut tunnels.

Which three commands must be added or changed to the FortiGate spoke config vpn ipsec phase1-interface options referenced in the exhibit for the VPN interface to enable this capability? (Choose three.)

- A. set net-device disable
- B. set mode-cfg-allow-client-selector enable
- C. set ike-version 1
- D. set add-route enable
- E. set mode-cfg enable

Answer: B,D,E

Explanation:

* B must be set to enable mode-cfg, which is required for injecting IKE routes on the ADVPN shortcut tunnels.

* D must be set to enable add-route, which is the command that actually injects the IKE routes.

* E must be set to enable mode-cfg-allow-client-selector, which allows custom phase 2 selectors to be configured.

The other options are incorrect. Option A is incorrect because net-device disable is not required for injecting IKE routes on the ADVPN shortcut tunnels. Option C is incorrect because IKE version 1 is not supported for ADVPN.

References:

* Phase 2 selectors and ADVPN shortcut tunnels | FortiGate / FortiOS 7.2.0

* Configuring SD-WAN/ADVPN with FortiGate | FortiGate / FortiOS 7.2.0

NEW QUESTION # 61

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