Fortinet

Exam Questions NSE7_SDW-7.2

Fortinet NSE 7 - SD-WAN 7.2

NEW QUESTION 1
Refer to the exhibit.

```
branch1_fgt # diagnose firewall proute list
list route policy info(vf=root):

id=1 dscp_tag=0xff 0xff flags=0x0 tos=0x00 tos_mask=0x00 protocol=17 sport=0-65535 iif=7
dport=53 path(1) oif=3(port1)
source wildcard(1): 0.0.0.0/0.0.0.0
destination wildcard(1): 4.2.2.1/255.255.255.255
hit_count=0 last_used=2022-03-25 10:53:26

id=2131165185(0x7f070001) vwl_service=1(Critical-DIA) vwl_mbr_seq=1 2 dscp_tag=0xff 0xff
flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535 path(2)
oif=3(port1) oif=4(port2)
source(1): 10.0.1.0-10.0.1.255
destination wildcard(1): 0.0.0.0/0.0.0.0
internet service(3): GoToMeeting(4294836966,0,0,0, 16354)
Microsoft.Office.365.Portal(4294837474,0,0,0, 41468) Salesforce(4294837976,0,0,0, 16920)
hit_count=0 last_used=2022-03-24 12:18:16

id=2131165186(0x7f070002) vwl_service=2(Non-Critical-DIA) vwl_mbr_seq=2 dscp_tag=0xff
0xff flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535
path(1) oif=4(port2)
source(1): 10.0.1.0-10.0.1.255
destination wildcard(1): 0.0.0.0/0.0.0.0
internet service(2): Facebook(4294836806,0,0,0, 15832) Twitter(4294838278,0,0,0, 16001)
hit_count=0 last_used=2022-03-24 12:18:16

id=2131165187(0x7f070003) vwl_service=3(all_rules) vwl_mbr_seq=1 dscp_tag=0xff 0xff
flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535 path(1)
oif=3(port1)
source(1): 0.0.0.0-255.255.255.255
destination(1): 0.0.0.0-255.255.255.255
hit_count=0 last_used=2022-03-25 10:58:12
```

Based on the output, which two conclusions are true? (Choose two.)

A. There is more than one SD-WAN rule configured.
B. The SD-WAN rules take precedence over regular policy routes.
C. The all_rules rule represents the implicit SD-WAN rule.
D. Entry 1(id=1) is a regular policy route.

Answer: AD

NEW QUESTION 2
Refer to the exhibit.

```
branch1_fgt # diagnose sys sdwan service 1

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
  Gen(6), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
  Members(2):
    1: Seq_num(3 T_INET_0_0), alive, selected
    2: Seq_num(4 T_INET_1_0), alive, selected
  Src address(1):
        10.0.1.0-10.0.1.255

  Dst address(1):
        10.0.0.0-10.255.255.255


branch1_fgt # diagnose sys sdwan member | grep T_INET_
Member(3): interface: T_INET_0_0, flags=0x4 , gateway: 100.64.1.1, priority: 10 1024,
weight: 0
Member(4): interface: T_INET_1_0, flags=0x4 , gateway: 100.64.1.9, priority: 0 1024,
weight: 0

branch1_fgt # get router info routing-table all | grep T_INET_
S      10.0.0.0/8 [1/0] via T_INET_1_0 tunnel 100.64.1.9
```

An administrator is troubleshooting SD-WAN on FortiGate. A device behind branch1_fgt generates traffic to the 10.0.0.0/8 network. The administrator expects the traffic to match SD-WAN rule ID 1 and be routed over T_INET_0_0. However, the traffic is routed over T_INET_1_0.
Based on the output shown in the exhibit, which two reasons can cause the observed behavior? (Choose two.)

A. The traffic matches a regular policy route configured with T_INET_1_0 as the outgoing device.
B. T_INET_1_0 has a lower route priority value (higher priority) than T_INET_0_0.
C. T_INET_0_0 does not have a valid route to the destination.
D. T_INET_1_0 has a higher member configuration priority than T_INET_0_0.

Answer: AC

NEW QUESTION 3
Refer to the exhibits.
Exhibit A

```
config system global
     set snat-route-change enable
end
```

Exhibit B

```
branch1_fgt # get router info routing-table all
Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP
       O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default

Routing table for VRF=0
S*      0.0.0.0/0 [1/0] via 192.2.0.2, port2, [1/0]
                  [1/0] via 192.2.0.10, port1 [10/0]
...
```

Exhibit A shows the source NAT (SNAT) global setting and exhibit B shows the routing table on FortiGate.
Based on the exhibits, which two actions does FortiGate perform on existing sessions established over port2, if the administrator increases the static route priority on port2 to 20? (Choose two.)

A. FortiGate flags the sessions as dirty.
B. FortiGate continues routing the sessions with no SNAT, over port2.
C. FortiGate performs a route lookup for the original traffic only.
D. FortiGate updates the gateway information of the sessions with SNAT so that they use port1 instead of port2.

Answer: BD

NEW QUESTION 4
Refer to the exhibit.

```
# get router info routing-table all
...
B       10.0.2.0/24 [200/0] via 10.201.1.2 [3] (recursive via VPN0 tunnel 100.64.1.1), 00:00:54
                    [200/0] via 10.202.1.2 [3] (recursive via VPN1 tunnel 100.64.1.9), 00:00:54
                    [200/0] via 10.203.1.1 [3] (recursive via VPN2 tunnel 172.16.1.5), 00:00:54
...
```

The device exchanges routes using IBGP.
Which two statements are correct about the IBGP configuration and routing information on the device? (Choose two.)

A. Each BGP route is three hops away from the destination.
B. ibgp-multipath is disabled.
C. additional-path is enabled.
D. You can run the get router info routing-table database command to display the additional paths.

Answer: CD

NEW QUESTION 5
Which action fortigate performs on the traffic that is subject to a per-IP traffic shaper of 10 Mbps?

A. FortiGate applies traffic shaping to the original traffic direction only.
B. FortiGate shares 10 Mbps of bandwidth equally among all source IP addresse
C. RIAS
D. Fortigate limits each source ip address to a maximum bandwidth of 10 Mbps.
E. FortiGate guarantees a minimum of 10 Mbps of bandwidth to each source IP address.

Answer: C

NEW QUESTION 6
Which two statements about the SD-WAN zone configuration are true? (Choose two.)

A. The service-sla-tie-break setting enables you to configure preferred member selection based on the best route to the destination.
B. You can delete the default zones.
C. The default zones are virtual-wan-link and SASE.
D. An SD-WAN member can belong to two or more zones.

Answer: AC

NEW QUESTION 7
Which are two benefits of using CLI templates in FortiManager? (Choose two.)

A. You can reference meta fields.
B. You can configure interfaces as SD-WAN members without having to remove references first.
C. You can configure FortiManager to sync local configuration changes made on the managed device, to the CLI template.
D. You can configure advanced CLI settings.

Answer: AD

NEW QUESTION 8
Refer to the exhibits.

Exhibit A

```
branch1_fgt # diagnose sys sdwan service

Service(1): Address Mode(IPV4) flags=0x200 use-shortcut-sla
  Gen(8), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
  Members(2):
    1: Seq_num(1 port1), alive, selected
    2: Seq_num(2 port2), alive, selected
  Internet Service(3): GoToMeeting(4294836966,0,0,0 16354)
Microsoft.Office.365.Portal(4294837474,0,0,0 41468) Salesforce(4294837976,0,0,0 16920)
  Src address(1):
        10.0.1.0-10.0.1.255

Service(2): Address Mode(IPV4) flags=0x200 use-shortcut-sla
  Gen(7), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
  Members(1):
    1: Seq_num(2 port2), alive, selected
  Internet Service(2): Facebook(4294836806,0,0,0 15832) Twitter(4294838278,0,0,0 16001)
  Src address(1):
        10.0.1.0-10.0.1.255

branch1_fgt # diagnose sys sdwan internet-service-app-ctrl-list

Facebook(15832 4294836806): 157.240.229.35 6 443 Tue Mar  8 12:24:04 2022
GoToMeeting(16354 4294836966): 23.205.106.86 6 443 Tue Mar  8 12:24:04 2022
GoToMeeting(16354 4294836966): 23.212.249.144 6 443 Tue Mar  8 12:24:39 2022
Salesforce(16920 4294837976): 23.212.249.11 6 443 Tue Mar  8 12:24:04 2022

branch1_fgt # get router info routing-table all
...
S*      0.0.0.0/0 [1/0] via 192.2.0.2, port1
                  [1/0] via 192.2.0.10, port2
...
```

Exhibit B

An administrator is testing application steering in SD-WAN. Before generating test traffic, the administrator collected the information shown in exhibit A.
After generating GoToMeeting test traffic, the administrator examined the respective traffic log on FortiAnalyzer, which is shown in exhibit B. The administrator noticed that the traffic matched the implicit SD-WAN rule, but they expected the traffic to match rule ID 1.
Which two reasons explain why the traffic matched the implicit SD-WAN rule? (Choose two.)

A. FortiGate did not refresh the routing information on the session after the application was detected.
B. Port1 and port2 do not have a valid route to the destination.
C. Full SSL inspection is not enabled on the matching firewall policy.
D. The session 3-tuple did not match any of the existing entries in the ISDB application cache.

Answer: BC

Explanation:
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NEW QUESTION 9
Refer to the exhibit.

```
branch1_fgt # diagnose sys sdwan service 3

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
  Gen(2), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(priority), link-cost-factor(packet-
loss), link-cost-threshold(0), heath-check(VPN_PING)
  Members(3):
    1: Seq_num(3 T_INET_0_0), alive, packet loss: 2.000%, selected
    2: Seq_num(4 T_MPLS_0), alive, packet loss: 4.000%, selected
    3: Seq_num(5 T_INET_1_0), alive, packet loss: 12.000%, selected
  Src address(1):
        10.0.1.0-10.0.1.255

  Dst address(1):
        10.0.0.0-10.255.255.255

branch1_fgt (3) # show
config service
    edit 3
        set name "Corp"
        set mode priority
        set dst "Corp-net"
        set src "LAN-net"
        set health-check "VPN_PING"
        set link-cost-factor packet-loss
        set link-cost-threshold 0
        set priority-members 5 3 4
    next
end
```

The exhibit shows the SD-WAN rule status and configuration.
Based on the exhibit, which change in the measured packet loss will make T_INET_1_0 the new preferred member?

A. When all three members have the same packet loss.
B. When T_INET_0_0 has 4% packet loss.

C. When T_INET_0_0 has 12% packet loss.
D. When T_INET_1_0 has 4% packet loss.

Answer: D

NEW QUESTION 10
Exhibit.

```
# diagnose sys sdwan health-check status

Health Check(Level3_DNS):
Seq(1 port1): state(alive), packet-loss(0.000%) latency(22.129), jitter(0.201), mos(4.393),
bandwidth-up(10235), bandwidth-dw(10235), bandwidth-bi(20470) sla_map=0x0
Seq(2 port2): state(alive), packet-loss(7.000%) latency(42.394), jitter(0.912), mos(4.378),
bandwidth-up(10236), bandwidth-dw(10237), bandwidth-bi(20473) sla_map=0x0
Health Check(VPN_PING):
Seq(5 T_MPLS): state(alive), packet-loss(0.000%) latency(131.336), jitter(0.199), mos(4.330),
bandwidth-up(9999999), bandwidth-dw(9999999), bandwidth-bi(19999998) sla_map=0x2
Seq(4 T_INET_1): state(alive), packet-loss(11.000%) latency(1.465), jitter(0.226), mos(4.398),
bandwidth-up(10239), bandwidth-dw(10239), bandwidth-bi(20478) sla_map=0x1
Seq(3 T_INET_0): state(alive), packet-loss(0.000%) latency(1.440), jitter(0.245), mos(4.403),
bandwidth-up(10239), bandwidth-dw(10239), bandwidth-bi(20478) sla_map=0x3
```

The exhibit shows the output of the command diagnose sys sdwan health-check status
collected on a FortiGate device. Which two statements are correct about the health check status on this FortiGate device? (Choose two.)

A. The health-check VPN_PING orders the members according to the lowest jitter.
B. The interface T_INET_1 missed one SLA target.
C. There is no SLA criteria configured for the health-check Level3_DNS.
D. The interface T_INET_0 missed three SLA targets.

Answer: AC

Explanation:
 According to the FortiGate / FortiOS 6.4.2 Administration Guide, the health check status command displays the status of the health check probes for each SD-WAN member interface. The output includes the following information:
? state: the current state of the interface, either alive or dead
? packet-loss: the percentage of packets lost during the health check
? latency: the average round-trip time in milliseconds
? jitter: the variation in latency
? mos: the mean opinion score, a measure of voice quality
? bandwidth: the available bandwidth in kilobits per second for each direction (up, down, bi)
? sla map: a bitmap that indicates which SLA criteria are met or failed Based on the exhibit, the following statements are correct:
? The health-check VPN_PING orders the members according to the lowest jitter. This means that the interface with the lowest jitter value is listed first, followed by the next lowest, and so on1. In the exhibit, the order is T_MPLS, T_INET_1, and T_INET_0.
? There is no SLA criteria configured for the health-check Level3_DNS. This means that the health check does not use any SLA parameters to determine the state of the interface2. In the exhibit, the sla map value is 0x0 for both port1 and port2, indicating that no SLA criteria are applied.

NEW QUESTION 10
Which two statements about SD-WAN central management are true? (Choose two.)

A. It does not allow you to monitor the status of SD-WAN members.
B. It is enabled or disabled on a per-ADOM basis.
C. It is enabled by default.
D. It uses templates to configure SD-WAN on managed devices.

Answer: BD

NEW QUESTION 13
Refer to the exhibit.

```
session info: proto=6 proto_state=11 duration=242 expire=3349 timeout=3600
flags=00000000 socktype=0 sockport=0 av_idx=0 use=4
origin-shaper=
reply-shaper=
per_ip_shaper=
class_id=0 ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=log dirty may_dirty ndr f00 app_valid
statistic(bytes/packets/allow_err): org=3421/20/1 reply=3777/17/1 tuples=3
tx speed(Bps/kbps): 0/0 rx speed(Bps/kbps): 0/0
origin->sink: org pre->post, reply pre->post dev=7->3/3->7 gwy=0.0.0.0/0.0.0.0
hook=post dir=org act=snat 10.0.1.101:34676->128.66.0.1:22(192.2.0.1:34676)
hook=pre dir=reply act=dnat 128.66.0.1:22->192.2.0.1:34676(10.0.1.101:34676)
hook=post dir=reply act=noop 128.66.0.1:22->10.0.1.101:34676(0.0.0.0:0)
pos/(before,after) 0/(0,0), 0/(0,0)
misc=0 policy_id=2 pol_uuid_idx=14721 auth_info=0 chk_client_info=0 vd=0
serial=000032d9 tos=ff/ff app_list=2000 app=16060 url_cat=0
sdwan_mbr_seq=1 sdwan_service_id=2
rpdb_link_id=ff000002 rpdb_svc_id=0 ngfwid=n/a
npu_state=0x001008
```

Which statement explains the output shown in the exhibit?

A. FortiGate performed standard FIB routing on the session.
B. FortiGate will not re-evaluate the session following a firewall policy change.
C. FortiGate used 192.2.0.1 as the gateway for the original direction of the traffic.
D. FortiGate must re-evaluate the session due to routing change.

Answer: D

Explanation:
The snat-route-change option is enabled by default. This option enables FortiGate to re- evaluate the routing table and select a new egress interface if the next

hop IP address changes. This option only applies to sessions in the dirty state. Sessions in the log state are not affected by routing changes.

NEW QUESTION 16
What are two benefits of using forward error correction (FEC) in IPsec VPNs? (Choose two.)

A. FEC supports hardware offloading.
B. FEC improves reliability of noisy links.
C. FEC transmits parity packets that can be used to reconstruct packet loss.
D. FEC can leverage multiple IPsec tunnels for parity packets transmission.

Answer: BC

NEW QUESTION 20
Refer to the exhibit.
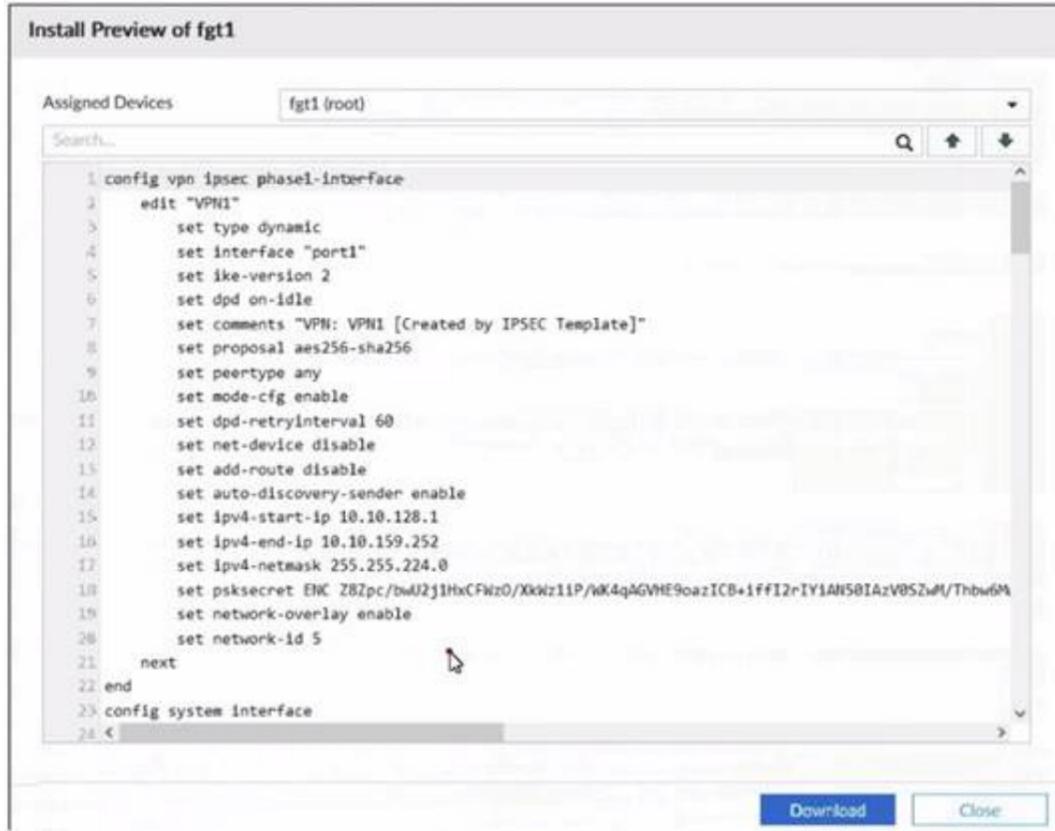
An administrator used the SD-WAN overlay template to prepare an IPsec configuration for a hub-and-spoke SD-WAN topology. The exhibit shows the installation preview for one FortiGate device. In the exhibit, which statement best describes the configuration applied to the FortiGate device?

A. It is a hub devic
B. It can send ADVPN shortcut offers.
C. It is a spoke device that establishes dynamic IPsec tunnels to the hu
D. The subnet range is 10.10.128.0/23.
E. It is a spoke device that establishes dynamic IPsec tunnels to the hu
F. It can send ADVPN shortcut requests.
G. It is a hub device and will automatically discover the spoke devices that are in the SD- WAN topology.

Answer: C

Explanation:
According to the SD-WAN 7.2 Study Guide, the SD-WAN overlay template simplifies the configuration of IPsec tunnels in a hub-and-spoke topology. The template defines the following parameters:
? type: dynamic for spokes, static for hubs
? interface: the WAN interface to use for the IPsec tunnel
? network-overlay: enable for spokes, disable for hubs
? network-id: a unique identifier for each spoke
? auto-discovery-sender: enable for hubs, disable for spokes
? auto-discovery-receiver: enable for spokes, disable for hubs Based on the exhibit, the FortiGate device has the following configuration:
? type: dynamic
? interface: port1
? network-overlay: enable
? network-id: 5
? auto-discovery-sender: disable
? auto-discovery-receiver: enable
Therefore, the FortiGate device is a spoke that establishes dynamic IPsec tunnels to the hub. It also has the network-overlay and auto-discovery-receiver options enabled, which means it can send ADVPN shortcut requests to other spokes when it receives a shortcut offer from the hub

NEW QUESTION 22
Which three matching traffic criteria are available in SD-WAN rules? (Choose three.)

A. Type of physical link connection
B. Internet service database (ISDB) address object
C. Source and destination IP address
D. URL categories
E. Application signatures

Answer: BCE

NEW QUESTION 27
Refer to the Exhibits:

Exhibit A, which shows the SD-WAN performance SLA and exhibit B shows the health of the participating SD-WAN members.
Based on the exhibits, which statement is correct?

A. The dead member interface stays unavailable until an administrator manually brings the interface back.
B. Port2 needs to wait 500 milliseconds to change the status from alive to dead.
C. Static routes using port2 are active in the routing table.
D. FortiGate has not received three consecutive requests from the SLA server configured for port2.

Answer: C

NEW QUESTION 29
Which two settings can you configure to speed up routing convergence in BGP? (Choose two.)

A. update-source
B. set-route-tag
C. holdtime-timer
D. link-down-failover

Answer: CD

NEW QUESTION 30
Which statement about SD-WAN zones is true?

A. An SD-WAN zone can contain only one type of interface.
B. An SD-WAN zone can contain between 0 and 512 members.
C. You cannot use an SD-WAN zone in static route definitions.
D. You can configure up to 32 SD-WAN zones per VDOM.

Answer: D

Explanation:
 SD-WAN zones are a group of interfaces that share the same SD-WAN settings, such as health check, SLA, and load balancing. Some characteristics of SD-WAN zones are:
? An SD-WAN zone can contain different types of interfaces, such as physical, VLAN, aggregate, and tunnel interfaces1.
? An SD-WAN zone can contain up to 512 members1.
? You can use an SD-WAN zone in static route definitions, as long as the destination interface is also an SD-WAN zone1.
? You can configure up to 32 SD-WAN zones per VDOM1.

NEW QUESTION 31
Which diagnostic command can you use to show the member utilization statistics measured by performance SLAs for the last 10 minutes?

A. diagnose sys sdwan sla-log
B. diagnose ays sdwan health-check
C. diagnose sys sdwan intf-sla-log
D. diagnose sys sdwan log

Answer: A

NEW QUESTION 32
Refer to the exhibits.
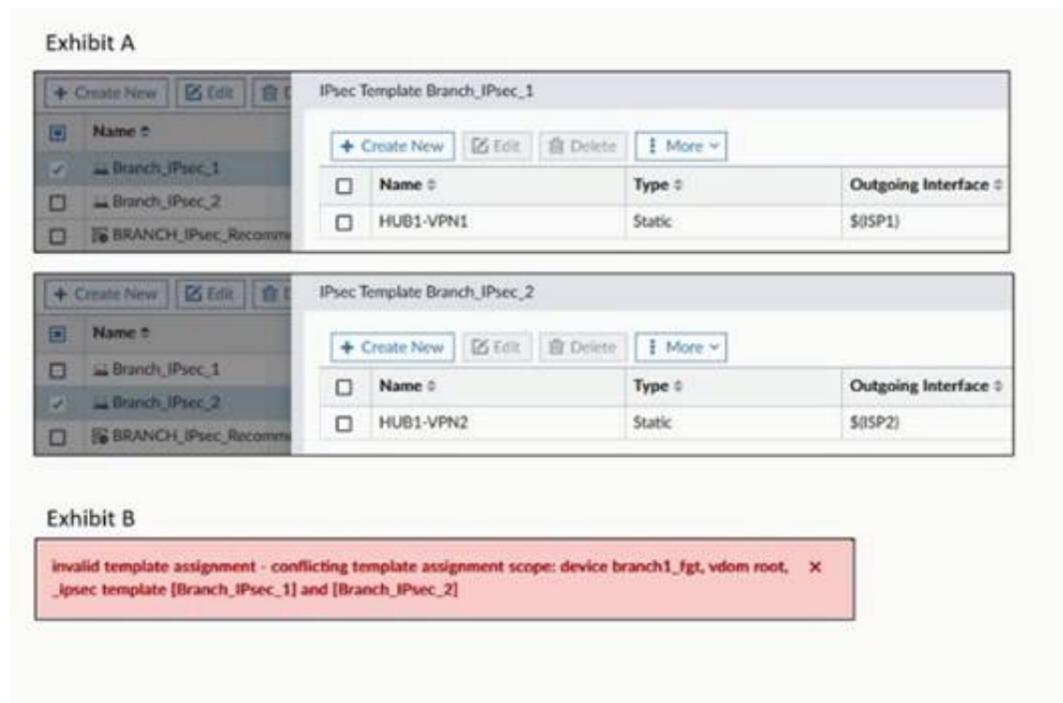
Exhibit A

Exhibit B

Exhibit A shows two IPsec templates to define Branch_IPsec_1 and Branch_IPsec_2. Each template defines a VPN tunnel.
Exhibit B shows the error message that FortiManager displayed when the administrator tried to assign the second template to the FortiGate device.
Which statement best explain the cause for this issue?

A. You can assign only one template with a tunnel of fype static to each FortiGate device
B. You can define only one IPsec tunnel from branch devices to HUB1.
C. You can assign only one IPsec template to each FortiGate device.
D. You should review the branch1_fgt configuration for the already configured tunnel with the name HUB1-VPN2.

Answer: C

Explanation:
 The error message in Exhibit B indicates a conflicting template assignment. This occurs because FortiManager does not allow the assignment of multiple IPsec templates that define VPN tunnels with the same name or settings to the same FortiGate device. The conflict arises from trying to assign a second IPsec template to a device that already has one assigned. References: This is based on Fortinet's best practices and administrative guidelines which state that each FortiGate device should be assigned a unique IPsec template to avoid configuration conflicts.

NEW QUESTION 35
Refer to the exhibit.

The exhibit shows the details of a session and the index numbers of some relevant interfaces on a FortiGate appliance that supports hardware offloading. Based on the information shown in the exhibits, which two statements about the session are true? (Choose two.)

A. The reply direction of the asymmetric traffic flows from port2 to port3.
B. The auxiliary session can be offloaded to hardware.
C. The original direction of the symmetric traffic flows from port3 to port2.
D. The main session cannot be offloaded to hardware.

Answer: AB

NEW QUESTION 40
Which two performance SLA protocols enable you to verify that the server response contains a specific value? (Choose two.)

A. http
B. icmp
C. twamp
D. dns

Answer: AD

Explanation:

Performance SLA (Service Level Agreement) protocols are used in SD-WAN to monitor the quality and performance of various network services. The two protocols that specifically allow for verifying a specific value in the server response are:
? HTTP (Hypertext Transfer Protocol): HTTP is the foundation of data communication on the World Wide Web. It allows for fetching resources, such as HTML documents. You can configure an HTTP performance SLA to send specific requests (e.g., GET or POST) and then check if the response body contains a particular string or value. This is useful for validating web server functionality and content delivery.
? DNS (Domain Name System): DNS is responsible for translating domain names into IP addresses. A DNS performance SLA can be set up to query a specific domain and verify that the returned IP address or other DNS record values match what is expected. This helps ensure proper name resolution and accessibility of resources.

NEW QUESTION 42
Which diagnostic command can you use to show the configured SD-WAN zones and their assigned members?

A. diagnose sys sdwan zone
B. diagnose sys sdwan service
C. diagnose sys sdwan member
D. diagnose sys sdwan interface

Answer: C

NEW QUESTION 44
Which two tasks are part of using central VPN management? (Choose two.)

A. You can configure full mesh, star, and dial-up VPN topologies.
B. You must enable VPN zones for SD-WAN deployments.
C. FortiManager installs VPN settings on both managed and external gateways.
D. You configure VPN communities to define common IPsec settings shared by all VPN gateways.

Answer: AD

NEW QUESTION 48
Which SD-WAN setting enables FortiGate to delay the recovery of ADVPN shortcuts?

A. hold-down-time
B. link-down-failover
C. auto-discovery-shortcuts
D. idle-timeout

Answer: A

NEW QUESTION 49
What are two advantages of using an IPsec recommended template to configure an IPsec tunnel in an hub-and-spoke topology? (Choose two.)

A. It ensures consistent settings between phase1 and phase2.
B. It guides the administrator to use Fortinet recommended settings.
C. It automatically install IPsec tunnels to every spoke when they are added to the FortiManager ADOM.
D. The VPN monitor tool provides additional statistics for tunnels defined with an IPsec recommended template.

Answer: AB

Explanation:
The use of an IPsec recommended template offers the advantage of ensuring consistent settings between phase1 and phase2 (A), which is essential for the stability and security of the IPsec tunnel. Additionally, it guides the administrator to use Fortinet's recommended settings (B), which are designed to optimize performance and security based on Fortinet's best practices. References: The benefits of using IPsec recommended templates are outlined in Fortinet's SD-WAN documentation, which emphasizes the importance of consistency and adherence to recommended configurations.

NEW QUESTION 50
Refer to the exhibit.

```
config system virtual-wan-link
    set status enable
    set load-balance-mode source-ip-based
    config members
        edit 1
                set interface "port1"
                set gateway 100.64.1.254
                set source 100.64.1.1
                set cost 15
        next
        edit 2
                set interface "port2"
                set gateway 100.64.2.254
                set priority 10
        next
    end
end
```

Based on the output shown in the exhibit, which two criteria on the SD-WAN member configuration can be used to select an outgoing interface in an SD-WAN rule? (Choose two.)

A. Set priority 10.
B. Set cost 15.
C. Set load-balance-mode source-ip-ip-based.
D. Set source 100.64.1.1.

Answer: AB

NEW QUESTION 52
What are two benefits of using the Internet service database (ISDB) in an SD-WAN rule? (Choose two.)

A. The ISDB is dynamically updated and reduces administrative overhead.
B. The ISDB requires application control to maintain signatures and perform load balancing.
C. The ISDB applies rules to traffic from specific sources, based on application type.
D. The ISDB contains the IP addresses and port ranges of well-known internet services.

Answer: AD

NEW QUESTION 53
Which two protocols in the IPsec suite are most used for authentication and encryption? (Choose two.)

A. Encapsulating Security Payload (ESP)
B. Secure Shell (SSH)
C. Internet Key Exchange (IKE)
D. Security Association (SA)

Answer: AC

NEW QUESTION 58
Refer to the exhibit.
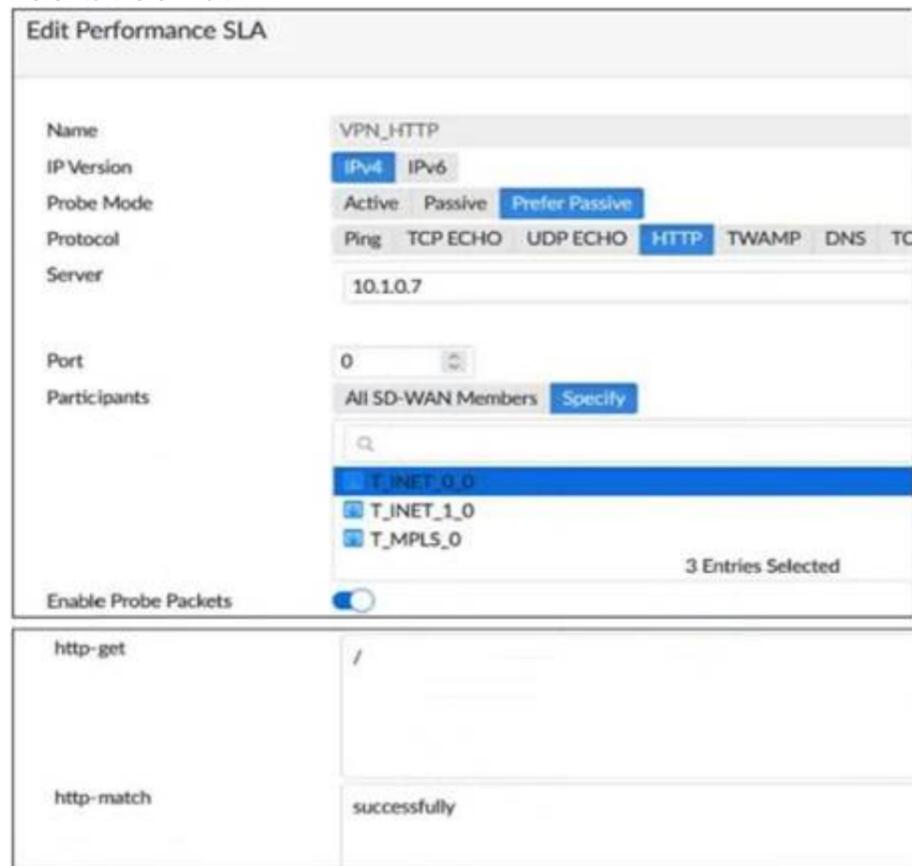
Based on the exhibit, which two statements are correct about the health of the selected members? (Choose two.)

A. After FortiGate switches to active mode, FortiGate never fails back to passive monitoring.
B. During passive monitoring, FortiGate can't detect dead members.
C. FortiGate can offload the traffic that is subject to passive monitoring to hardware.
D. FortiGate passively monitors the member if TCP traffic is passing through the member.

Answer: BD

NEW QUESTION 62
Which two statements describe how IPsec phase 1 main mode id different from aggressive mode when performing IKE negotiation? (Choose two.)

A. A peer ID is included in the first packet from the initiator, along with suggested security policies.
B. XAuth is enabled as an additional level of authentication, which requires a username and password.
C. Three packets are exchanged between an initiator and a responder instead of six packets.
D. The use of Diffie Hellman keys is limited by the responder and needs initiator acceptance.

Answer: AC

NEW QUESTION 63
What is the route-tag setting in an SD-WAN rule used for?

A. To indicate the routes for health check probes.
B. To indicate the destination of a rule based on learned BGP prefixes.
C. To indicate the routes that can be used for routing SD-WAN traffic.
D. To indicate the members that can be used to route SD-WAN traffic.

Answer: B

NEW QUESTION 64
Refer to the exhibit.

Create New SD-WAN Interface Member

Sequence Number	1
Interface Member	
SD-WAN Zone	virtual-wan-link
Gateway IP	0.0.0.0
Cost	0
Status	(on)
Priority	0
Advanced Options >	

Which two SD-WAN template member settings support the use of FortiManager meta fields? (Choose two.)

A. Cost
B. Interface member
C. Priority
D. Gateway IP

Answer: BD

NEW QUESTION 69
Exhibit A shows the firewall policy and exhibit B shows the traffic shaping policy.

Exhibit A	Exhibit B	

Edit Policy

Name ⓘ	Internet Access
Incoming interface	port3
Outgoing interface	virtual-wan link
Source	all ✕ +
Destination	all ✕ +
Schedule	always
Service	ALL ✕ +
Action	✓ ACCEPT ⊘ DENY
Inspection Mode	Flow-based Proxy-based

Firewall / Network Options

NAT	(on)
IP Pool Configuration	Use Outgoing Interface Address Use Dynamic
Preserve Source Port	(off)
Protocol Options	PROT default

Exhibit A **Exhibit B**

Edit Traffic Shaping Policy

Name	inbound_outbound_shaper
Status	● Enabled ● Disabled
Comments	Write a comment... 0/255

If Traffic Matches:

Source	🖥 all ✕ ➕
Destination	🖥 all ✕ ➕
Schedule	⬭
Service	👤 ALL ✕ ➕
Application ℹ	➕
URL Category	Streaming Media and Download ✕ ➕

Then:

Action	Apply Shaper Assign Shaping Class ID
Outgoing interface	🌐 virtual-wan link ✕ ➕
Shared shaper	◉ guarantee-10mbps ▼

The traffic shaping policy is being applied to all outbound traffic; however, inbound traffic is not being evaluated by the shaping policy.
Based on the exhibits, what configuration change must be made in which policy so that traffic shaping can be applied to inbound traffic?

A. Create a new firewall policy, and the select the SD-WAN zone as Incoming Interface.
B. In the traffic shaping policy, select Assign Shaping Class ID as Action.
C. In the firewall policy, select Proxy-based as Inspection Mode.
D. In the traffic shaping policy, enable Reverse shaper, and then select the traffic shaper to use.

Answer: D

NEW QUESTION 71
Which CLI command do you use to perform real-time troubleshooting for ADVPN negotiation?

A. get router info routing-table all
B. diagnose debug application ike
C. diagnose vpn tunnel list
D. get ipsec tunnel list

Answer: B

Explanation:
IKE real-time debug - useful when debugging ADVPN shortcut messages and spoke-to- spoke negotiations.
• diagnose debug console timestamp enable
• diagnose vpn ike log filter clear
• diagnose vpn ike log filter mdst-addr4 <ip.of.hub> <ip.of.spoke>
• diagnose debug application ike -1
• diagnose debug enable

NEW QUESTION 73
Which type statements about the SD-WAN members are true? (Choose two.)

A. You can manually define the SD-WAN members sequence number.
B. Interfaces of type virtual wire pair can be used as SD-WAN members.
C. Interfaces of type VLAN can be used as SD-WAN members.
D. An SD-WAN member can belong to two or more SD-WAN zones.

Answer: AC

Explanation:
 SD-WAN members can be manually ordered by changing their sequence number (A), which allows administrators to prioritize the interfaces according to the routing requirements. Also, VLAN interfaces can be used as SD-WAN members (C), providing flexibility in network design and the use of existing VLAN

infrastructure within the SD-WAN setup.

NEW QUESTION 75
What are two advantages of using an IPsec recommended template to configure an IPsec tunnel in a hub-and-spoke topology? (Choose two.)

A. VPN monitor tool provides additional statistics for tunnels defined with an IPsec recommended template.
B. FortiManager automatically installs IPsec tunnels to every spoke when they are added to the FortiManager ADOM.
C. IPsec recommended template guides the administrator to use Fortinet recommended settings.
D. IPsec recommended template ensures consistent settings between phase1 and phase2

Answer: BC

Explanation:
According to the SD-WAN 7.2 Study Guide, IPsec recommended templates are designed to simplify the configuration of IPsec tunnels in a hub-and-spoke topology. They have the following advantages:
? FortiManager automatically installs IPsec tunnels to every spoke when they are added to the FortiManager ADOM. This reduces the manual effort and ensures that all spokes have the same configuration.
? IPsec recommended template guides the administrator to use Fortinet recommended settings, such as encryption algorithms, key lifetimes, and dead peer detection. This ensures optimal performance and security of the IPsec tunnels.

NEW QUESTION 79
Refer to the exhibit.

```
config vpn ipsec phase1-interface
    edit "FIRST_VPN"
        set type dynamic
        set interface "port1"
        set peertype any
        set proposal aes128-sha256 aes256-sha38
        set dhgrp 14 15 19
        set xauthtype auto
        set authusrgrp "first-group"
        set psksecret fortinet1
    next
    edit "SECOND_VPN"
        set type dynamic
        set interface "port1"
        set peertype any
        set proposal aes128-sha256 aes256-sha38
        set dhgrp 14 15 19
        set xauthtype auto
        set authusrgrp "second-group"
        set psksecret fortinet2
    next
edit
```

FortiGate has multiple dial-up VPN interfaces incoming on port1 that match only FIRST_VPN.
Which two configuration changes must be made to both IPsec VPN interfaces to allow incoming connections to match all possible IPsec dial-up interfaces? (Choose two.)

A. Specify a unique peer ID for each dial-up VPN interface.
B. Use different proposals are used between the interfaces.
C. Configure the IKE mode to be aggressive mode.
D. Use unique Diffie Hellman groups on each VPN interface.

Answer: AC

NEW QUESTION 83
Which two interfaces are considered overlay links? (Choose two.)

A. LAG
B. IPsec
C. Physical
D. GRE

Answer: BD

NEW QUESTION 86

Which are three key routing principles in SD-WAN? (Choose three.)

A. FortiGate performs route lookups for new sessions only.
B. Regular policy routes have precedence over SD-WAN rules.
C. SD-WAN rules have precedence over ISDB routes.
D. By default, SD-WAN members are skipped if they do not have a valid route to thedestination.
E. By default, SD-WAN rules are skipped if the best route to the destination is not an SD- WAN member.

Answer: BDE

Explanation:
Study Guide 7.2, pages 125, 129, 151

NEW QUESTION 90
Refer to the exhibit.

```
ike 0:T_INET_0_0:214: received informational request
ike 0:T_INET_0_0:214: processing notify type SHORTCUT_QUERY
ike 0:T_INET_0_0: recv shortcut-query 9065761962601467474
07409008f7fbd17e/0000000000000000 192.2.0.1 10.0.1.101->10.0.2.101 psk 64 ppk 0 ttl 32
nat 0 ver 2 mode 0
ike 0:T_INET_0: iif 20 10.0.1.101->10.0.2.101 route lookup oif 20 T_INET_0 gwy
10.201.1.1
ike 0:T_INET_0_1: forward shortcut-query 9065761962601467474
07409008f7fbd17e/0000000000000000 192.2.0.1 10.0.1.101->10.0.2.101 psk 64 ppk 0 ttl 31
ver 2 mode 0, ext-mapping 192.2.0.1:500
```

Which statement about the role of the ADVPN device in handling traffic is true?

A. This is a spoke that has received a query from a remote hub and has forwarded the response to its hub.
B. Two hubs, 10.0.1.101 and 10.0.2.101, are receiving and forwarding queries between each other.
C. This is a hub that has received a query from a spoke and has forwarded it to another spoke.
D. Two spokes, 192.2.0.1 and 10.0.2.101, forward their queries to their hubs.

Answer: C

NEW QUESTION 93
Which statement about using BGP routes in SD-WAN is true?

A. Learned routes can be used as dynamic destinations in SD-WAN rules.
B. You must use BGP to route traffic for both overlay and underlay links.
C. You must configure AS path prepending.
D. You must use external BGP.

Answer: A

NEW QUESTION 94
Two hub-and-spoke groups are connected through a site-to-site IPsec VPN between Hub 1 and Hub 2. The administrator configured ADVPN on both hub-and-spoke groups.\
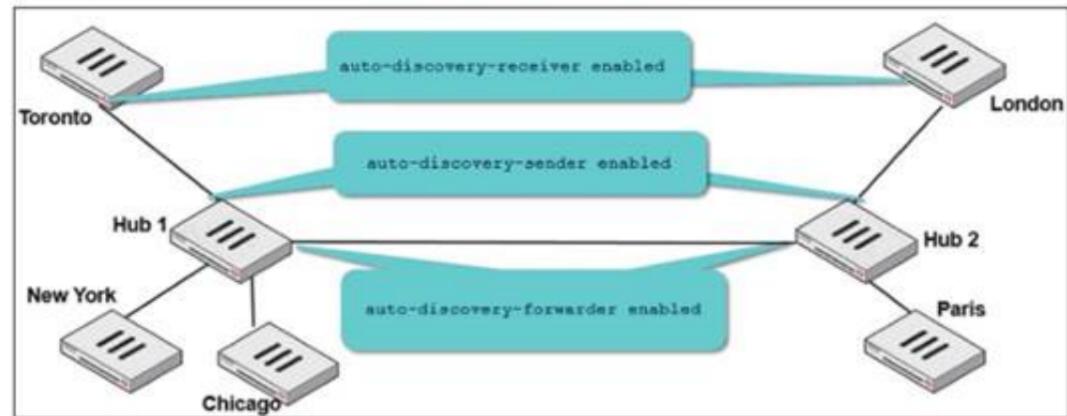
Which two outcomes are expected if a user in Toronto sends traffic to London? (Choose two.)

A. London generates an IKE information message that contains the Toronto public IP address.
B. Traffic from Toronto to London triggers the dynamic negotiation of a direct site-to-site VPN.
C. Toronto needs to establish a site-to-site tunnel with Hub 2 to bypass Hub 1.
D. The first packets from Toronto to London are routed through Hub 1 then to Hub 2.

Answer: BD

NEW QUESTION 95
Which two statements reflect the benefits of implementing the ADVPN solution to replace conventional VPN topologies? (Choose two.)

A. It creates redundant tunnels between hub-and-spokes, in case failure takes place on the primary links.
B. It dynamically assigns cost and weight between the hub and the spokes, based on the physical distance.
C. It ensures that spoke-to-spoke traffic no longer needs to flow through the tunnels through the hub.
D. It provides direct connectivity between all sites by creating on-demand tunnels betweenspokes.

Answer: CD

NEW QUESTION 99

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