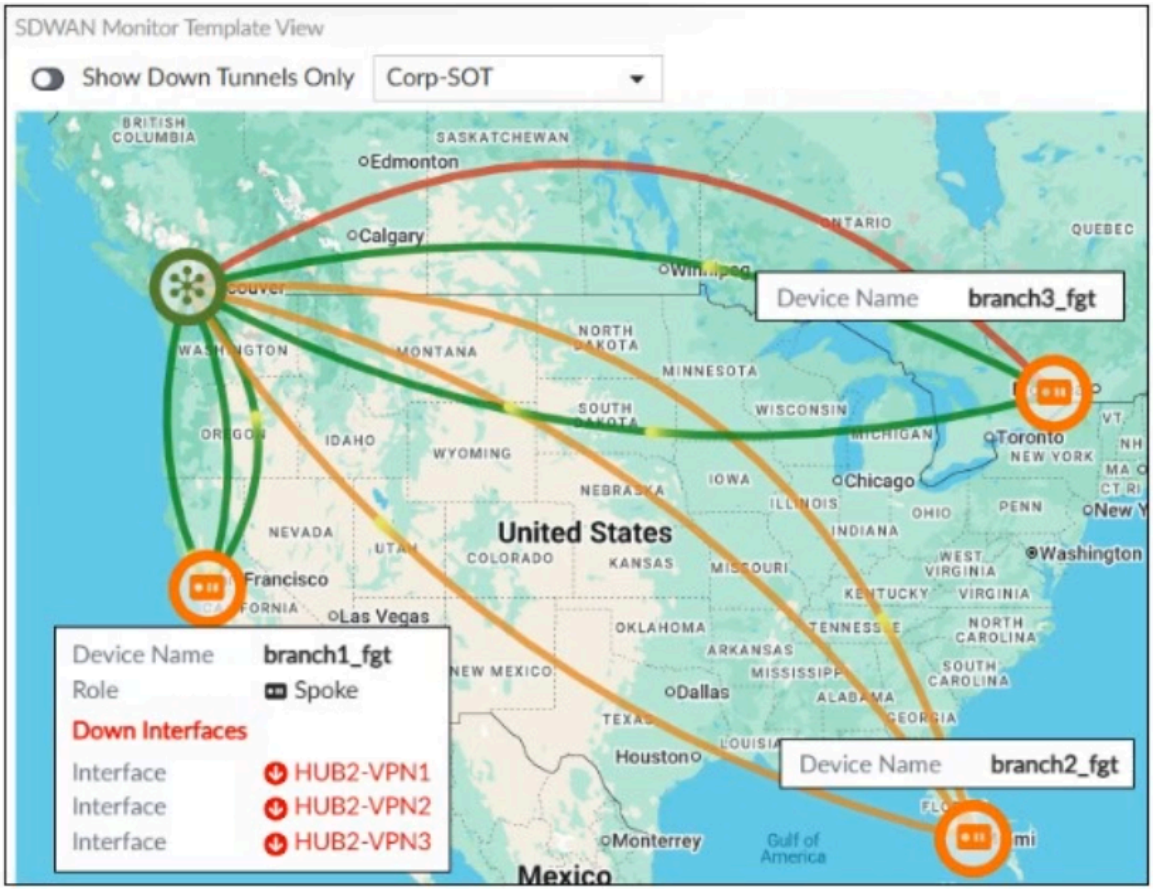
Question #1 *Topic 1*

Refer to the exhibit.

FortiManager SD-WAN monitor -



To check the status of an SD-WAN topology using the FortiManager SD-WAN monitor menus, you place your mouse next to branch1_fgt and receive the output shown in the exhibit.

Which conclusion can you draw from the output shown in the exhibit?

A. Three tunnels of branch2_fgt are out of SLA.

B. The template Corp-SOT defines a single-hub topology.

C. branch3_fgt is configured with three SD-WAN overlay tunnels and one is dead.

D. The three spokes have tunnels that are out of SLA.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #2 *Topic 1*

Refer to the exhibit, which shows the SD-WAN rule status and configuration.

SD-WAN rules status and configuration

```
branch1_fgt # diagnose sys sdwan service4 3

Service(3): Address Mode(IPV4) flags=0x4200 use-shortcut-sla use-shortcut
 Tie break: cfg
 Shortcut priority: 2
  Gen(43), TOS(0x0/0x0), Protocol(0): src(1->65535):dst(1->65535), Mode(priority),
  link-cost-factor(packet loss), link-cost-threshold(0), heath-check(HUB1_HC)
  Members(3):
    1: Seq_num(4 HUB1-VPN1 HUB1), alive, packet loss: 2.000%, selected
    2: Seq_num(5 HUB1-VPN2 HUB1), alive, packet loss: 4.000%, selected
    3: Seq_num(6 HUB1-VPN3 HUB1), 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 (service) # show
config service
    edit 3
        set name "Corp"
        set mode priority
        set dst "Corp-net"
        set src "LAN-net"
        set health-check "HUB1_HC"
        set link-cost-factor packet-loss
        set link-cost-threshold 0
        set priority-members 6 4 5
    next
```

Based on the exhibit, which change in the measured packet loss will make HUB1-VPN3 the new preferred member?

A. When all three members have the same packet loss

B. When HUB1-VPN3 has 4% packet loss

C. When HUB1-VPN1 has 12% packet loss

D. When HUB1-VPN1 has 4% packet loss

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #3 *Topic 1*

Refer to the exhibits.

Global System configuration -

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

Interface port2 configuration -

```
config system interface
    [...]
    edit "port2"
        set vdom "root"
        set mode dhcp
        set allowaccess ping
        set type physical
        set snmp-index 2
    next
    [...]
```

Routing Table on FortiGate -

```
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]
...
```

The administrator increases the member priority on port2 to 20.

Upon configuration changes and the receipt of new packets, which two actions does FortiGate perform on existing sessions established over port2? (Choose two.)

A. FortiGate continues routing all existing sessions over port2.

B. FortiGate routes only new sessions over port2.

C. FortiGate flags the sessions as dirty.

D. FortiGate updates the gateway information of the sessions with SNAT so that they use port1 instead of port2.

E. FortiGate flags the SNAT session as dirty only if the administrator has assigned an IP pool to the firewall policies with NAT.

Suggested Answer: *CD*

Currently there are no comments in this discussion, be the first to comment!

Question #4 *Topic 1*

You are configuring ADVPN 2.0 on an SD-WAN topology already configured for ADVPN.
What should you do to implement ADVPN 2.0 in this scenario?

A. Update the IPsec tunnel configuration on the branches.

B. Delete the existing ADVPN configuration and configure ADVPN 2.0.

C. Update the IPsec tunnel configurations on the hub.

D. Update the SD-WAN configuration on the branches.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #5 *Topic 1*

As an IT manager, you want to delegate the installation and management of your SD-WAN deployment to a managed security service provider (MSSP).
Each site must maintain direct internet access and be secure. You expect significant traffic flow between the sites and want to delegate as much of the network administration and management as possible to the MSSP.
Which two MSSP deployment blueprints address your requirements? (Choose two.)

A. Install the hub and spokes on the customer premises, and enable the MSSP to manage the SD-WAN deployment using FortiManager with a dedicated ADOM.

B. Use a shared hub on the MSSP premises and a dedicated hub on the customer premises, and install the spokes on the customer premises.

C. Install a dedicated hub on the MSSP premises for the customer, and install the spokes on the customer premises.

D. Use a shared hub on the MSSP premises with a dedicated VDOM for the customer, and install the spokes on the customer premises.

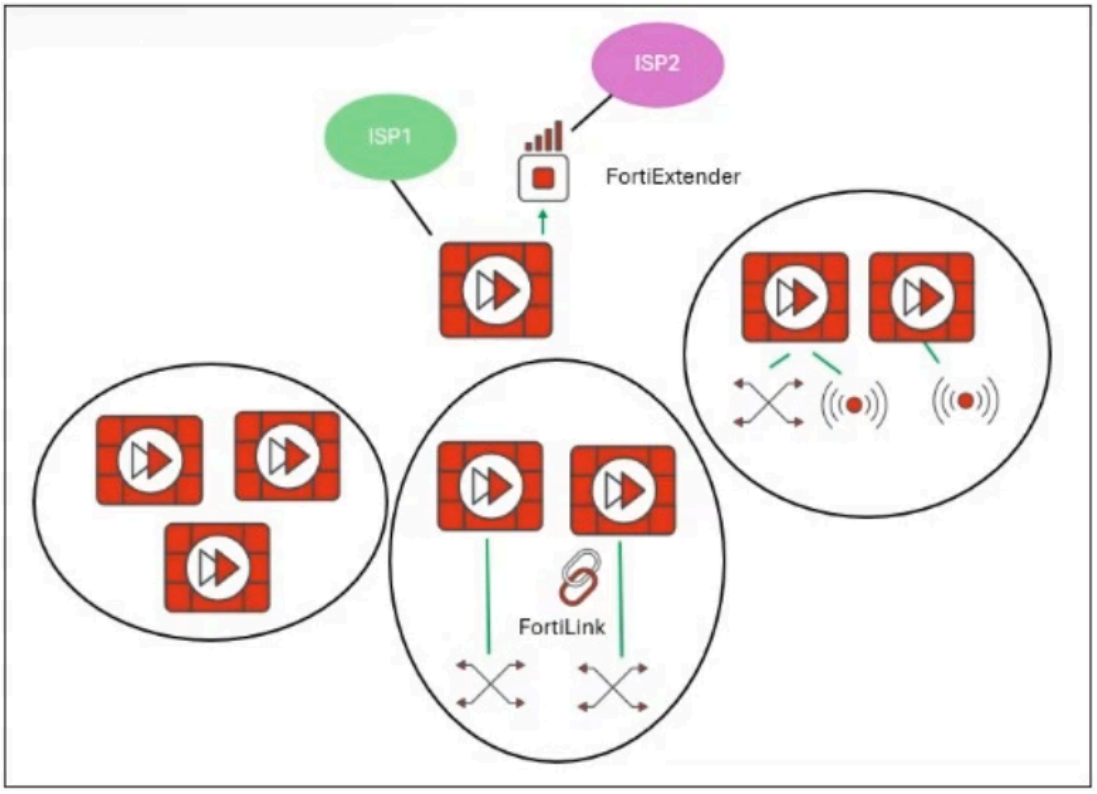
Suggested Answer: *CD*

Currently there are no comments in this discussion, be the first to comment!

Question #6 *Topic 1*

Refer to the exhibit.

SD-WAN Network Topology -



You want to configure SD-WAN on a network, as shown in the exhibit.
The network contains many FortiGate devices. Some are used as next-generation firewalls (NGFW), and some are installed with extensions such as FortiSwitch, FortiAP, or FortiExtender.
Which factors should you consider when planning your deployment?

A. You should build multiple SD-WAN topologies. Each topology should contain only one type of extension.

B. You can build an SD-WAN topology that includes all devices. The hubs must be devices without extensions.

C. You should exclude the FortiGate devices with FortiLink connection from the SD-WAN topology.

D. You can build an SD-WAN topology that includes all devices. The hubs can be FortiGate devices with FortiExtender.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #7 *Topic 1*

Refer to the exhibit.

```
# diagnose sys session list
session info: proto=6 proto_state=11 duration=180 expire=3424 timeout=3600
refresh_dir=both 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=0/0
state=log may_dirty ndr f00 app_valid route_preserve
statistic(bytes/packets/allow_err): org=3369/19/1 reply=3881/19/1 tuples=3
tx speed(Bps/kbps): 0/0 rx speed(Bps/kbps): 0/0
orgin->sink: org pre->post, reply pre->post dev=7->3/3->7 gwy=192.2.0.2/0.0.0.0
hook=post dir=org act=snat 10.0.1.101:58630->128.66.0.1:22(192.2.0.100:58630)
hook=pre dir=reply act=dnat 128.66.0.1:22->192.2.0.100:58360(10.0.1.101:58360)
hook=post dir=reply act=noop 128.66.0.1:22->10.0.1.101:58630(0.0.0.0:0)
pos/(before,after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 pol_uuid_idx=15844 auth_info=0 chk_client_info=0 vd=0
serial=00000c0c tos=ff/ff app_list=2000 app=16060 url_cat=0
sdwan_mbr_seq=1 sdwan_service_id=4
rpdb_link_id=ff000004 ngfwid=n/a
npu_state=0x001108
no_offoad_reason: redir-to-ips denied-by-nturbo
```

You configure the SD-WAN rule ID 4 with two members (port1 and port2) and the strategy lowest cost (SLA).

Which two statements about the session shown in the exhibit are true? (Choose two.)

A. FortiGate steered this flow according to the application detected and the outgoing interface is port3.

B. FortiGate will reevaluate this session if the outgoing interface goes down.

C. FortiGate steered this flow according to the SD-WAN rule 4.

D. FortiGate will reevaluate this session if you update the routing table.

Suggested Answer: *BC*

Currently there are no comments in this discussion, be the first to comment!

Question #8 *Topic 1*

Refer to the exhibit.

FortiGate router policy and diagnose output

```
branch1_fgt # show router policy
config router policy
    edit 1
        set src "10.0.1.128/255.255.255.128"
        set dst "128.66.0.0/255.255.255.0"
        set action deny
    next
end

branch1_fgt # diagnose sys sdwan service4

Service(1): Address Mode(IPV4) flags=0x4200 use-shortcut-sla use-shortcut
 Tie break: cfg
 Shortcut priority: 2
  Gen(1), TOS(0x0/0x0), Protocol(0): src(1->65535):dst(1->65535), Mode(priority),
  link-cost-factor(latency), link-cost-threshold(10), heath-check(Corp_HC)
  Members(2):
    1: Seq_num(2 port2 underlay), alive, latency: 0.769, selected
    2: Seq_num(1 port1 underlay), alive, latency: 71.022, selected
  Application Control(3): Microsoft.Portal(41469,0) Salesforce(16920,0) Collaboration(0,28)
  Src address(1):
        10.0.1.0-10.0.1.255

Service(4): Address Mode(IPV4) flags=0x24200 use-shortcut-sla use-shortcut
 Tie break: cfg
 Shortcut priority: 2
  Gen(1), TOS(0x0/0x0), Protocol(0): src(1->65535):dst(1->65535), Mode(sla  hash-mode=round-robin)
  Members(2):
    1: Seq_num(1 port1 underlay), alive, sla(0x1), gid(2), num of pass(1), selected
    2: Seq_num(2 port2 underlay), alive, sla(0x1), gid(2), num of pass(1), selected
  Src address(1):
        10.0.1.0-10.0.1.255

  Dst address(1):
        128.66.0.0-128.66.255.255
```

How does FortiGate handle the traffic with the source IP 10.0.1.130 and the destination IP 128.66.0.125?

A. FortiGate steers the traffic flow through port2.

B. FortiGate routes the traffic flow according to the FIB.

C. FortiGate load balances the traffic flow through port1 and port2.

D. FortiGate drops the traffic flow.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #9 *Topic 1*

Your FortiGate is in production. To optimize WAN link use and improve redundancy, you enable and configure SD-WAN.
What must you do as part of this configuration update process?

A. Replace references to interfaces used as SD-WAN members in the routing configuration.

B. Disable the interface that you want to use as an SD-WAN member.

C. Replace references to interfaces used as SD-WAN members in the firewall policies.

D. Purchase and install the SD-WAN license, and reboot the FortiGate device.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #10 *Topic 1*

Refer to the exhibit that shows a diagnose output on a FortiGate device.

```
pke_fgt # diagnose sys sdwan advpn-session
Session head(jfk-0-HUB1:1)
(1) Service ID(3), last access(4136110), remote health check info(3)
Selected path: local(HUB1-VPN1, port1) gw: 192.2.0.1  remote IP: 203.0.113.1(192.168.1.2)
Remote information:
1: latency: 1.833133 jitter: 0.482600 pktloss: 0.000000 mos: 4.403007 sla: 0x1 cost: 0 remote gw: HUB1-VPN1
transport_group: 1 bandwidth up: 10239 down: 10239 bidirection: 20478 ipv4: 203.0.113.1(192.168.1.2) ipv6
::1bc2(20e6:7e0c:fe7f:0:1c:256d:487:1bc2)
2: latency: 1.725933 jitter: 0.469833 pktloss: 0.000000 mos: 4.403073 sla: 0x1 cost: 0 remote gw: HUB1-VPN2
transport_group: 1 bandwidth up: 10239 down: 10239 bidirection: 20478 ipv4: 203.0.113.9(192.168.1.66) ipv6
6465:7228:3229:2c20:6c6f:6361:6c20:636f(7374:2830:292c:2073:656c:6563:7465:6400)
3: latency: 1.240333 jitter: 0.269700 pktloss: 0.000000 mos: 4.403513 sla: 0x1 cost: 0 remote gw: HUB1-VPN3
transport_group: 0 bandwidth up: 9999999 down: 9999999 bidirection: 19999998 ipv4: 172.16.0.9(192.168.1.130)
ipv6 ::(::)
```

Based on the output shown in the exhibit, what can you conclude about the device role and how it handles health checks?

A. The device is a spoke and it receives health-check measures for the tunnels of another spoke.

B. The device is a hub and it receives health-check measures for the tunnels of a spoke.

C. The device is a spoke and it provides embedded health-check measures for each tunnel to the hub.

D. The device is a hub and it receives embedded health-check measures for each tunnel from the spoke.

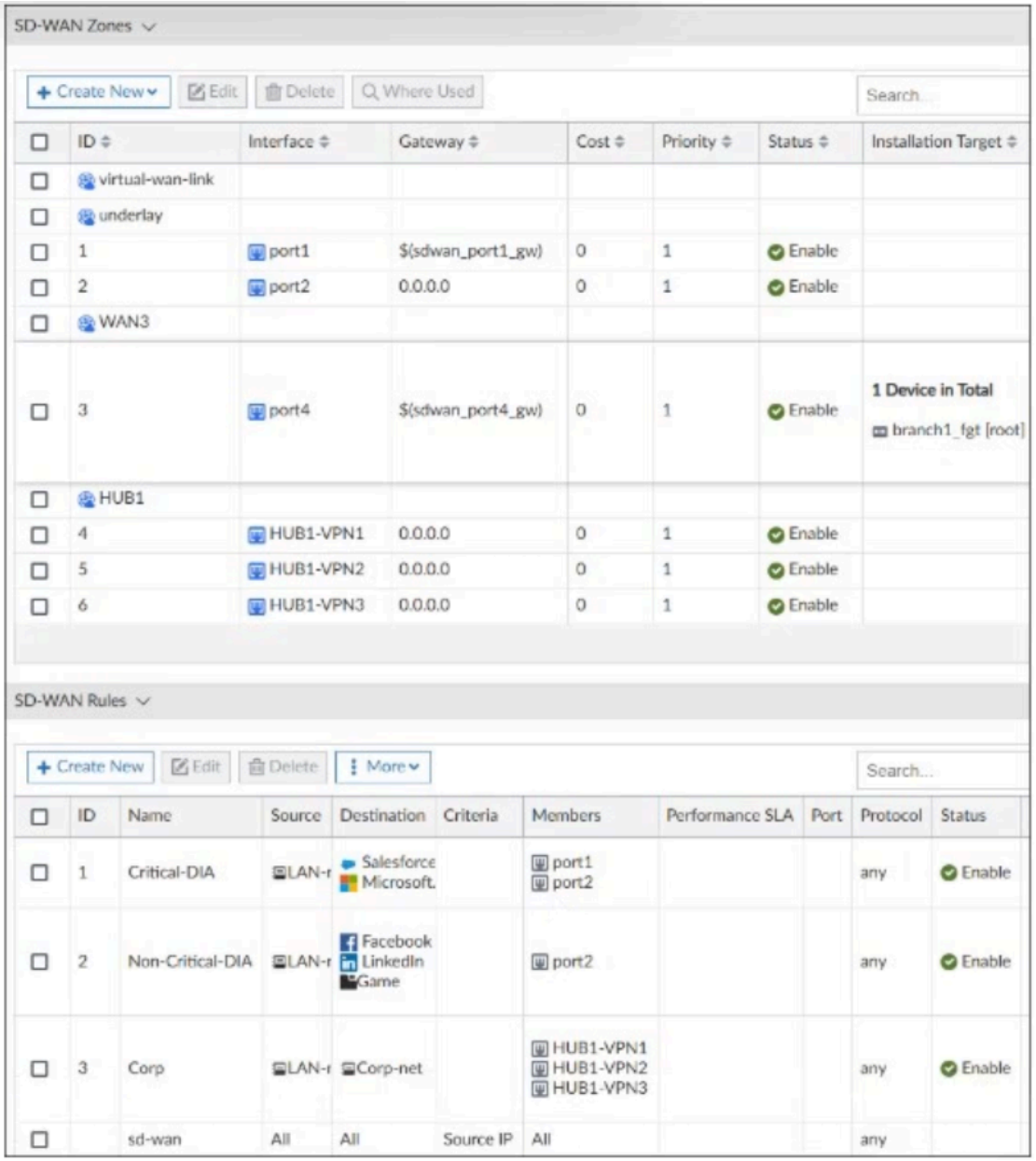
Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

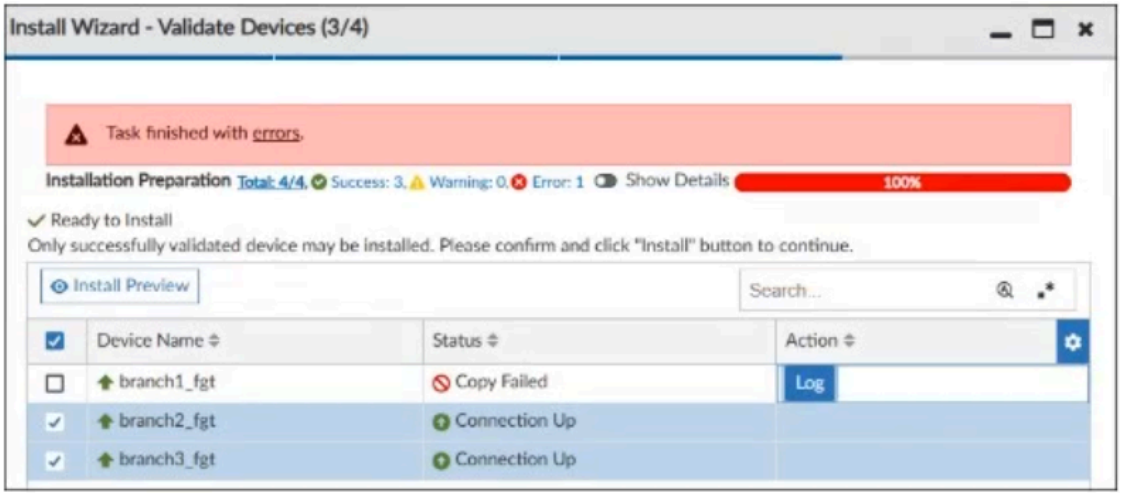
Question #11 *Topic 1*

Refer to the exhibits.

SD-WAN template zones and rules configuration



FortiManager error message -



View install log in FortiManager

You use FortiManager to configure SD-WAN on three branch devices.
When you install the device settings, FortiManager prompts you with the error “Copy Failed” for the device branch1_fgt. When you click the log button, FortiManager displays the message shown in the exhibit.
Based on the exhibits, which statement best describes the issue and how you can resolve it?

A. Check the connection between branch1_fgt and FortiManager.

B. Remove the installation target for the SD-WAN member port4. You cannot combine metadata variable and installation targets.

C. Gateways for all members in a zone must be defined the same way. Specify the gateway of the SD-WAN member port1 without metadata variables.

D. Check the metadata variable definitions, and review the per-device mapping configuration.

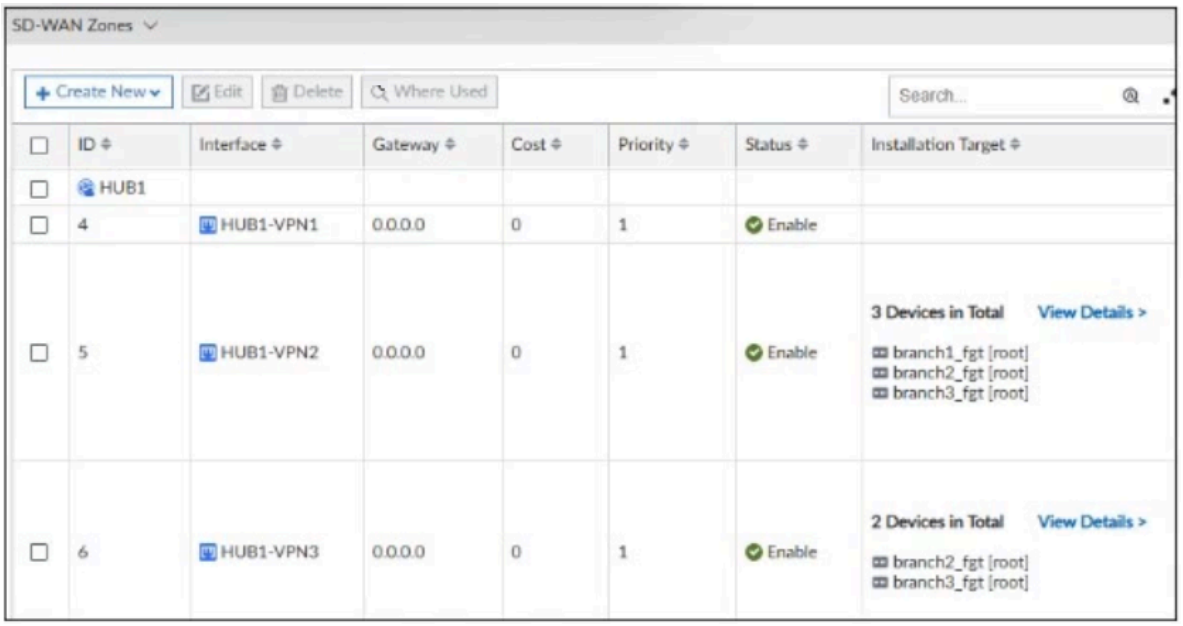
Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

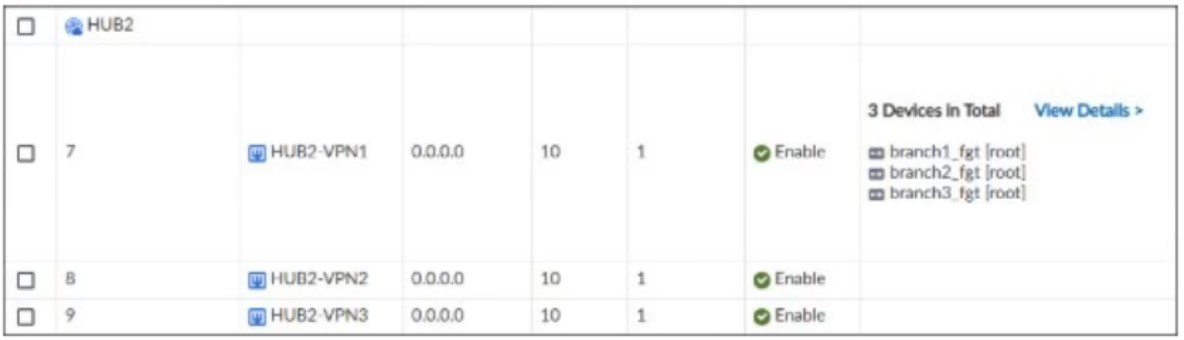
Question #12 *Topic 1*

Refer to the exhibits.

SD-WAN zone HUB1 and SD-WAN member configuration



SD-WAN zone HUB2 and SD-WAN member configuration



Output of command diagnose sys sdwan member

```
      _fgt # diagnose sys sdwan member
Member(4): transport-group: 0, interface: HUB1-VPN1, flags=0xd
Member(5): transport-group: 0, interface: HUB1-VPN2, flags=0xd
Member(7): transport-group: 0, interface: HUB2-VPN1, flags=0xd
Member(8): transport-group: 0, interface: HUB2-VPN2, flags=0xd
Member(9): transport-group: 0, interface: HUB2-VPN3, flags=0xd
```

The exhibits show an SD-WAN zone HUB1 and SD-WAN member configuration from an SD-WAN template and the output of command diagnose sys sdwan member collected on a FortiGate device.

Which statement best describes what the diagnose output shows?

A. The diagnose output was collected on the device branch1_fgt.

B. The diagnose output shows that HUB1-VPN1 and all HUBx-VPNy members are dead.

C. The diagnose output was collected on the device branch2_fgt.

D. The diagnose output does not correspond to a device configured with the SD-WAN template shown in the exhibit.

Suggested Answer: *C*

Currently there are no comments in this discussion, be the first to comment!

Question #13 *Topic 1*

You have a FortiGate configuration with three user-defined SD-WAN zones and two members in each of these zones. One SD-WAN member is no longer in use in health-check and SD-WAN rules. You want to delete it.
What happens if you delete the SD-WAN member from the FortiGate GUI?

A. FortiGate accepts the deletion and places the member in the default SD-WAN zone.

B. FortiGate displays an error message. SD-WAN zones must contain at least two members.

C. FortiGate accepts the deletion and removes static routes as required.

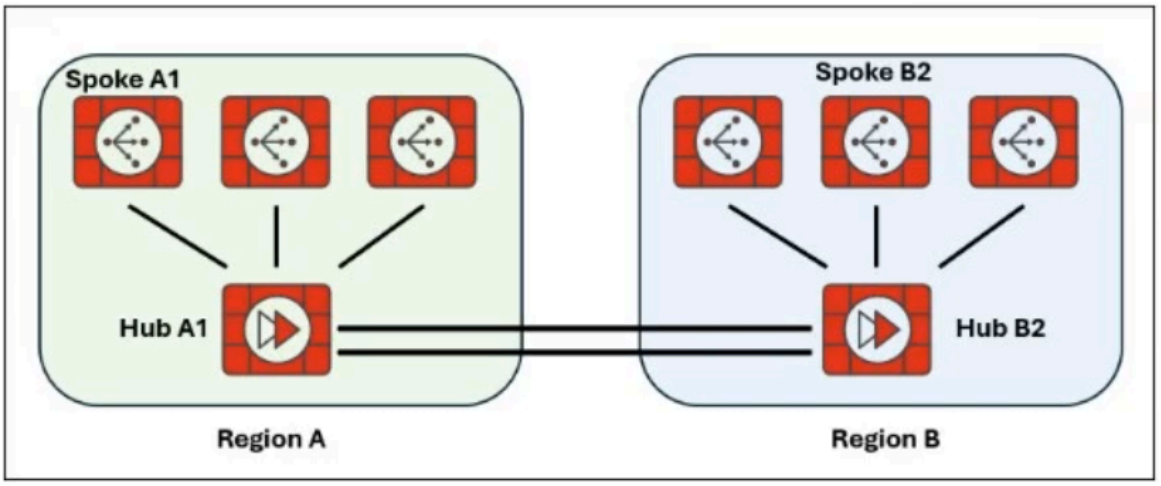
D. FortiGate accepts the SD-WAN member deletion with no further action.

Suggested Answer: *D*

Currently there are no comments in this discussion, be the first to comment!

Question #14 *Topic 1*

Refer to the exhibit.



Two hub-and-spoke groups are connected through redundant site-to-site IPsec VPNs between Hub 1 and Hub 2.

Which two configuration settings are required for spoke A1 to establish an auto-discovery VPN (ADVPN) shortcut with spoke B2? (Choose two.)

A. On the hubs, auto-discovery-receiver must be enabled on the IPsec VPNs to spokes.

B. On the hubs, auto-discovery-forwarder must be enabled on the IPsec VPNs to hubs.

C. On the spokes, auto-discovery-receiver must be enabled on the IPsec VPNs to the hub.

D. On the spokes, auto-discovery-sender must be enabled on the IPsec VPNs to hubs.

Suggested Answer: *BD*

Currently there are no comments in this discussion, be the first to comment!

Refer to the exhibits.

Ping result -

```
root@branch1-client-cli# ping facebook.com
PING facebook.com (157.240.19.35) 56(84) bytes of data.
64 bytes from edge-star-mini-shv-01-dfw5.facebook.com (157.240.19.35): icmp_seq=1 ttl=56 time=33.4 ms
64 bytes from edge-star-mini-shv-01-dfw5.facebook.com (157.240.19.35): icmp_seq=2 ttl=56 time=32.5 ms
64 bytes from edge-star-mini-shv-01-dfw5.facebook.com (157.240.19.35): icmp_seq=3 ttl=56 time=32.5 ms
64 bytes from edge-star-mini-shv-01-dfw5.facebook.com (157.240.19.35): icmp_seq=4 ttl=56 time=32.6 ms
```

Diagnose output -

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

id=1(0x01) dscp_tag=0xfc 0xfc flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 port=src(0->0):dst(0->0)
iif=0(any)
path(1): oif=21(HUB1-VPN2)
source wildcard(1): 0.0.0.0/0.0.0.0
destination wildcard(1): 10.1.0.7/255.255.255.255
hit_count=3 rule_last_used=2025-06-16 03:08:21

id=2131623937(0x7f0e0001) vwl_service=1(Critical-DIA) vwl_mbr_seq=1 2 dscp_tag=0xfc 0xfc flags=0x0
tos=0x00 tos_mask=0x00 protocol=0 port=src(0->0):dst(0->0) iif=0(any)
path(6): oif=20(HUB1-VPN1) path_last_used=2025-06-16 03:14:21, oif=21(HUB1-VPN2), oif=22(HUB1-VPN3),
oif=23(HUB2-VPN1), oif=24(HUB2-VPN2), oif=25(HUB2-VPN3)
source(1): 10.0.1.0-10.0.1.255
destination(1): 10.0.0.0-10.255.255.255
hit_count=2148 rule_last_used=2025-06-16 03:14:21

id=2131623940(0x7f0e0004) vwl_service=4(Internet) vwl_mbr_seq=3 2 1 dscp_tag=0xfc 0xfc flags=0x0
tos=0x00 tos_mask=0x00 protocol=0 port=src(0->0):dst(0->0) iif=0(any)
path(3): oif=6(port4), oif=4(port2) path_last_used=2025-06-16 03:17:33, oif=3(port1)
source(1): 10.0.1.0-10.0.1.255
destination(1): 0.0.0.0-255.255.255.255
hit_count=76 rule_last_used=2025-06-16 03:17:33
```

Diagnose output -

```
branch1_fgt # diagnose sys sdwan internet-service-app-ctrl-list
List App Ctrl Database Entry(IPv4) in Kernel:

Max_App_Ctrl_Size=32768 Num_App_Ctrl_Entry=7

Addicting.Games(30156 8): IP=172.64.80.1 6 443 expires=2869103ms

MSN.Game(16135 8): IP=13.107.246.35 6 443 expires=2869088ms

Microsoft.Portal(41469 28): IP=23.53.170.101 6 443 expires=2869169ms

Salesforce(16920 29): IP=23.222.17.73 6 443 expires=2869606ms

Salesforce(16920 29): IP=23.222.17.76 6 443 expires=2869098ms

Facebook(15832 23): IP=31.13.80.36 6 443 expires=2869000ms

LinkedIn(16331 23): IP=104.18.41.41 6 443 expires=2869145ms
```

You connect to a device behind branch1_fgt, a branch FortiGate device, and initiate a ping test. The device is part of the LAN subnet and its IP address is 10.0.1.101.

Based on the exhibits, which interface uses branch1_fgt to steer the test traffic?

A. port2

B. port1

C. port4

D. HUB1-VPN1

Suggested Answer: *B*

Currently there are no comments in this discussion, be the first to comment!

Question #16 *Topic 1*

Which three factors about SLA targets and SD-WAN rules should you consider when configuring SD-WAN rules? (Choose three.)

A. SLA targets are used only by SD-WAN rules that are configured with a Lowest Cost (SLA) strategy.

B. SD-WAN rules can use SLA targets to check whether the preferred members meet the SLA requirements.

C. Member metrics are measured only if a rule uses the SLA target.

D. When configuring an SD-WAN rule, you can select multiple SLA targets if they are from the same performance SLA.

E. When configuring an SD-WAN rule, you can select multiple SLA targets from different performance SLAs.

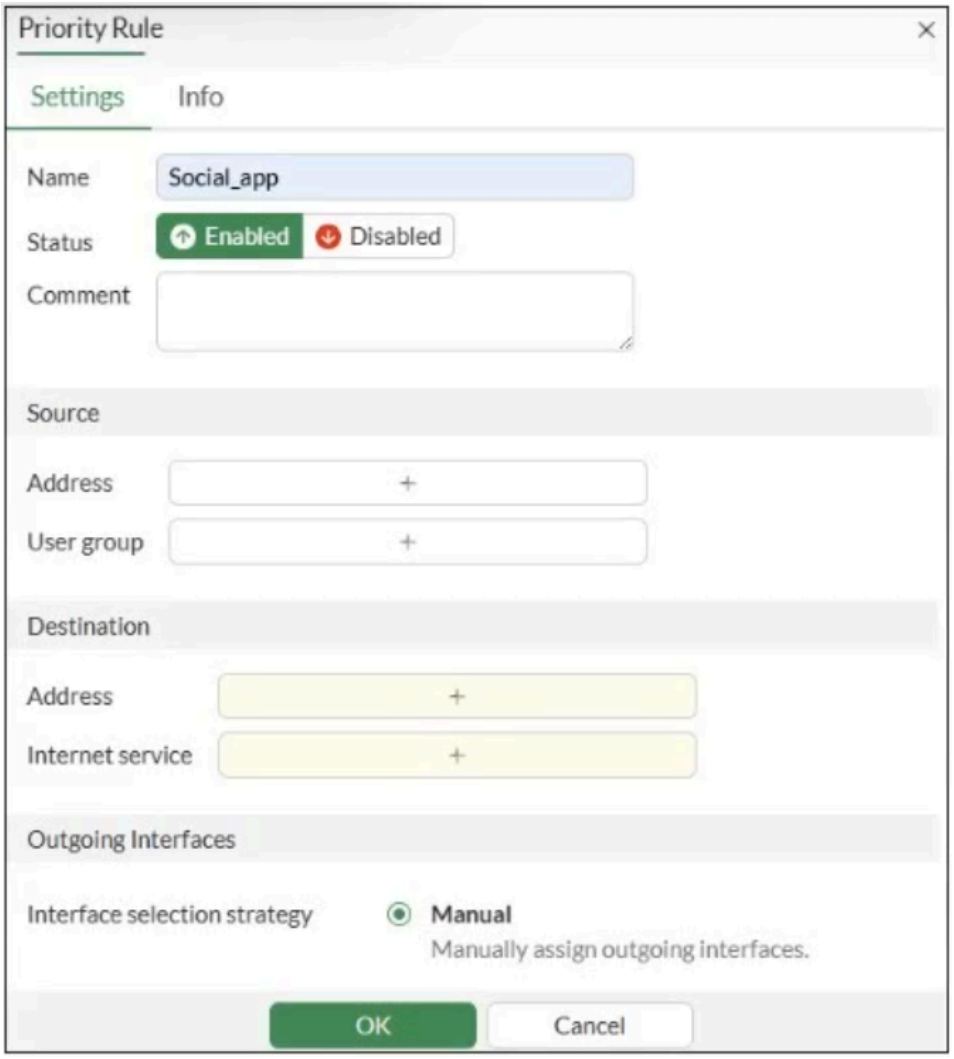
Suggested Answer: *ABD*

Currently there are no comments in this discussion, be the first to comment!

Question #17 *Topic 1*

Refer to the exhibit.

SD-WAN rule -



You configure SD-WAN on a standalone FortiGate device.

You want to create an SD-WAN rule that steers traffic related to Facebook and LinkedIn through the less costly internet link.

What must you do to set Facebook and LinkedIn applications as destinations from the GUI?

A. In the Internet service field, select Facebook and LinkedIn.

B. Enable the visibility of the applications field as destinations of the SD-WAN rule.

C. You cannot configure applications as destinations of an SD-WAN rule on a standalone FortiGate device.

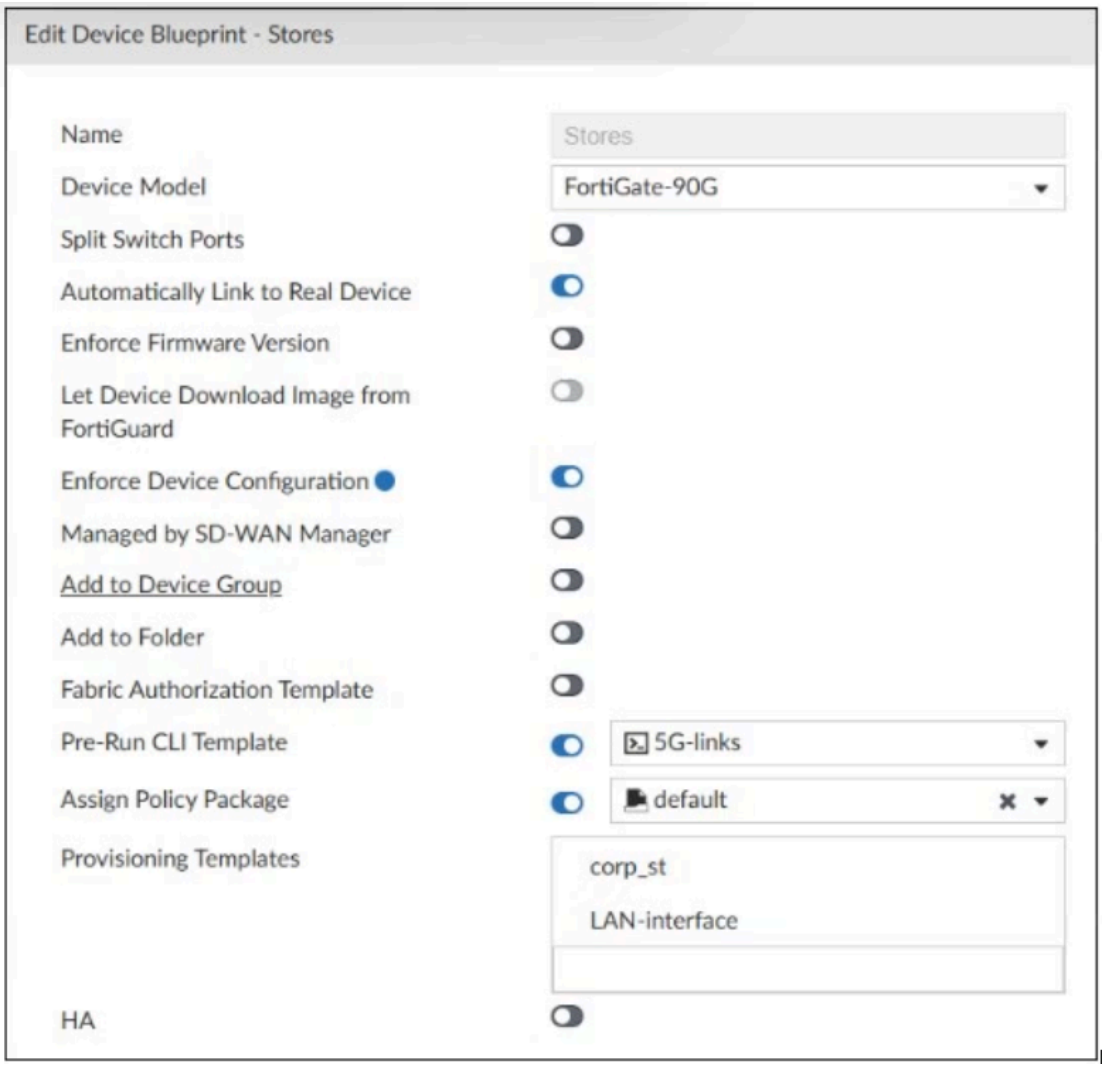
D. Install a license to allow applications as destinations of SD-WAN rules.

Suggested Answer: *A*

Currently there are no comments in this discussion, be the first to comment!

Refer to the exhibits.

Device blueprint -



CLI script LAN-interface -