NSE7_SDW-6.4.VCEplus.premium.exam.34q

Number: NSE7_SDW-6.4
Passing Score: 800
Time Limit: 120 min
File Version: 1.0

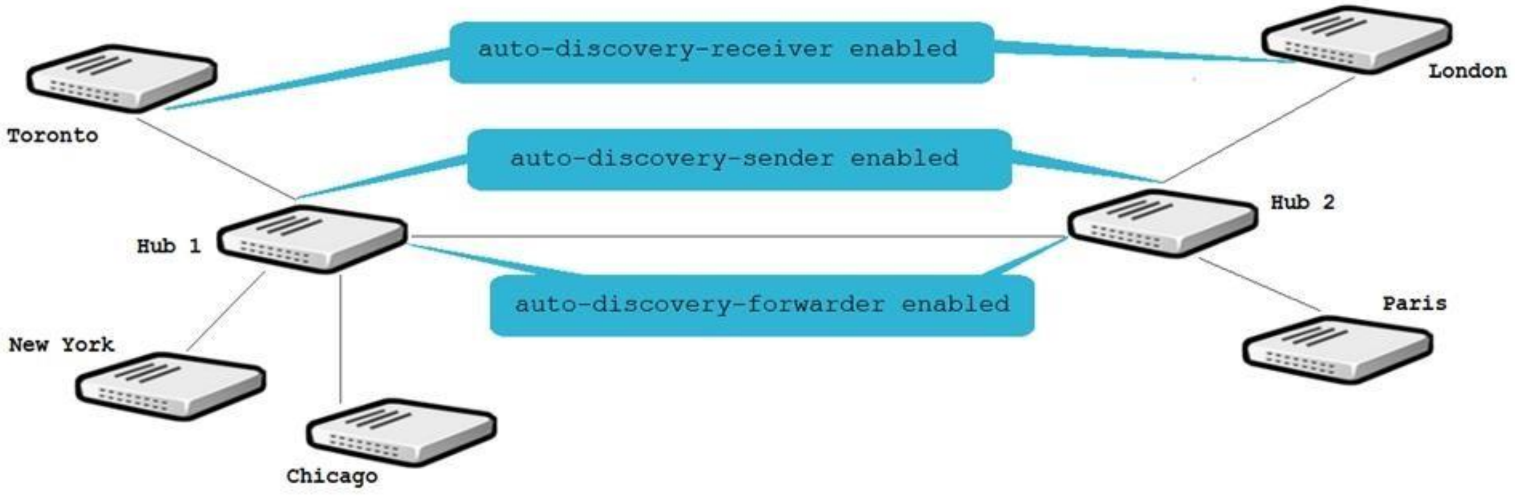
NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4

Version 1.0

Exam A

QUESTION 1
Refer to the exhibit.


auto-discovery-receiver enabled
London
Toronto
auto-discovery-sender enabled
Hub 2
Hub 1
auto-discovery-forwarder enabled
Paris
New York
Chicago

Multiple IPsec VPNs are formed between two hub-and-spokes groups, and site-to-site between Hub 1 and Hub 2. The administrator configured ADVPN on the dual regions topology.

Which two statements are correct if a user in Toronto sends traffic to London? (Choose two.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.fortinet.com/document/fortigate/6.0.0/handbook/320160/example-advpn-configuration

QUESTION 2
Refer to exhibits.

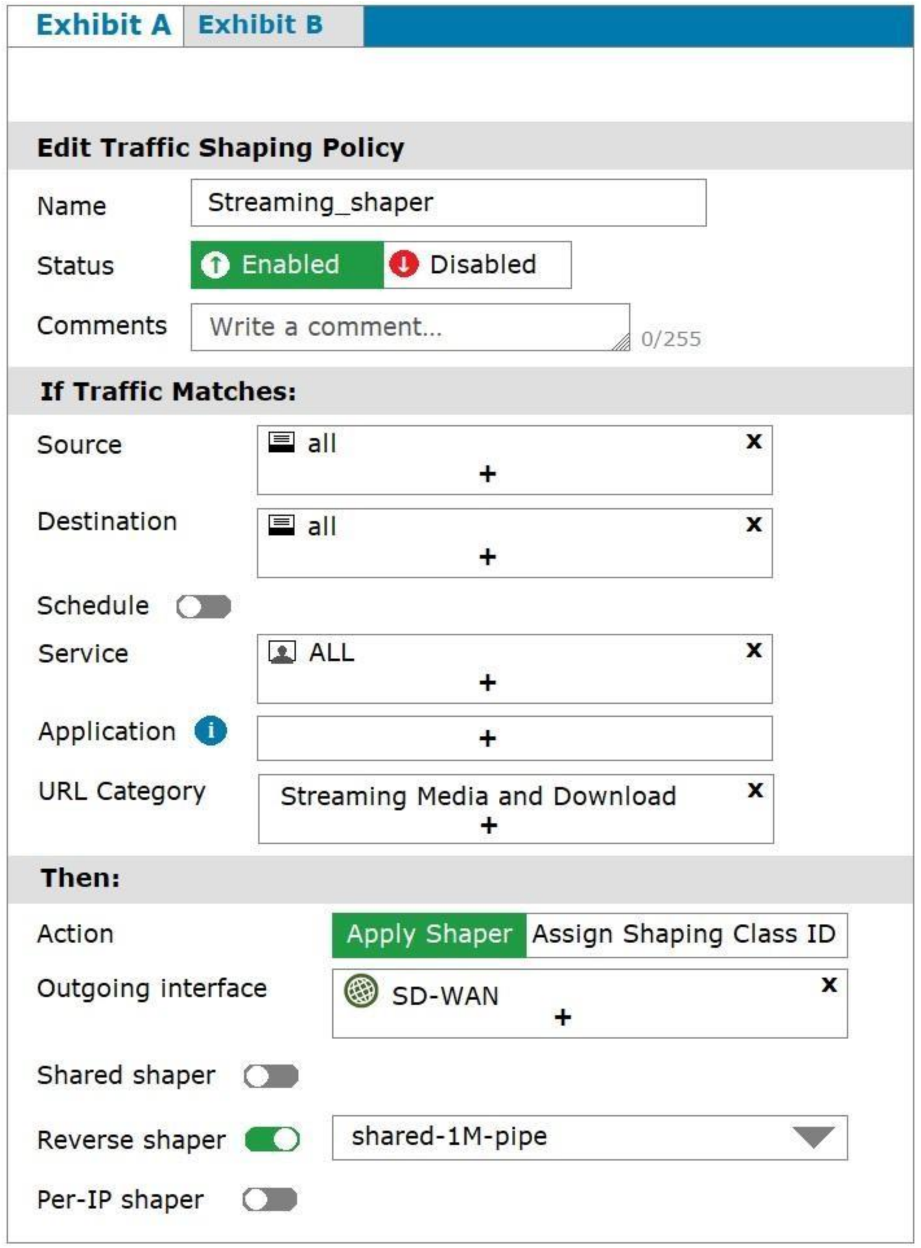


Exhibit A | Exhibit B

Edit Traffic Shaping Policy

Name: Streaming_shaper

Status: [✓ Enabled] Disabled

Comments: Write a comment... 0/255

If Traffic Matches:

Source: all

Destination: all

Schedule: ○

Service: ALL

Application: +

URL Category: Streaming Media and Download

Then:

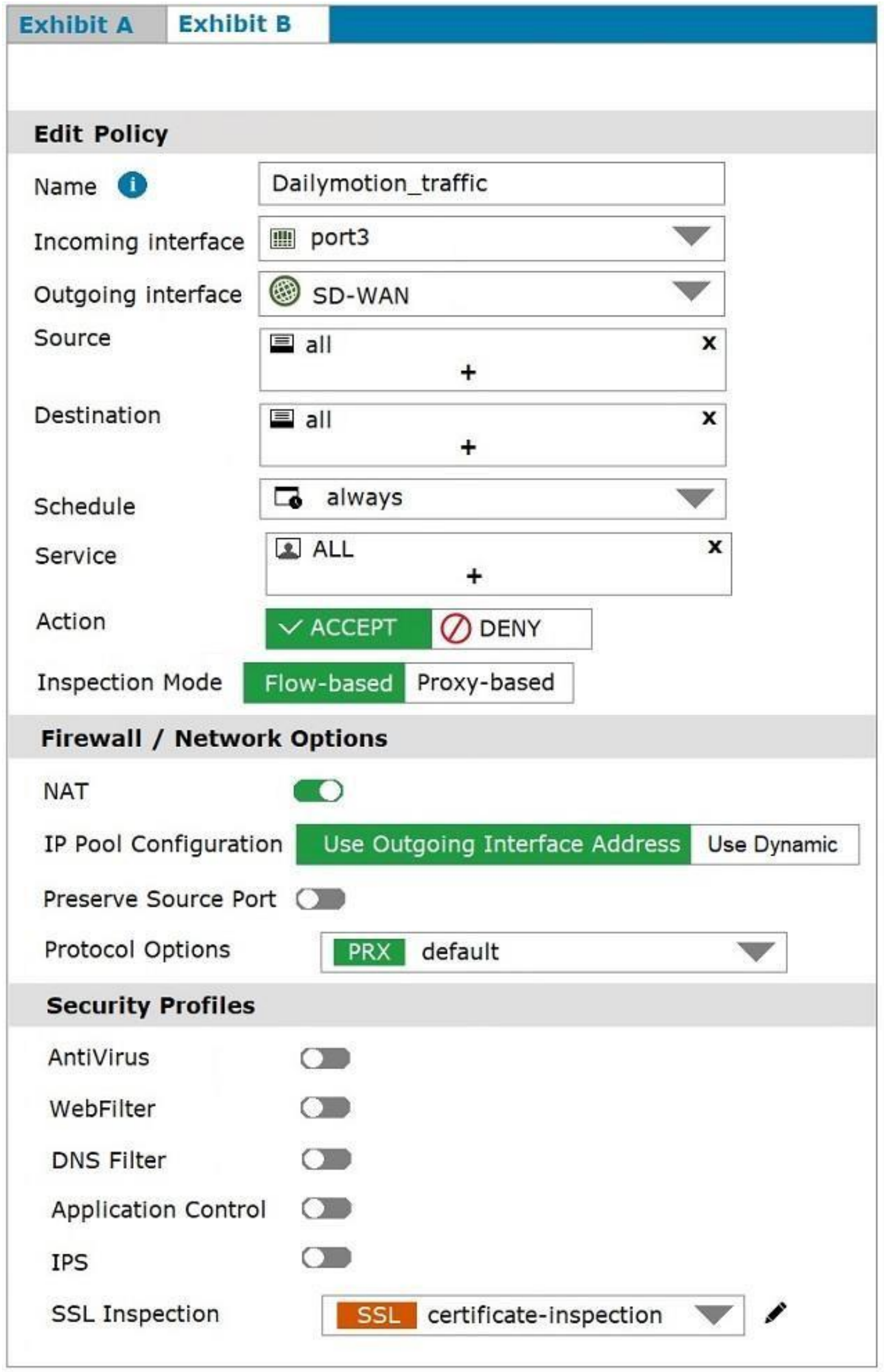
Action: [✓ Apply Shaper] Assign Shaping Class ID

Outgoing interface: SD-WAN

Shared shaper: ○

Reverse shaper: ● shared-1M-pipe

Per-IP shaper: ○



Edit Policy

Name: Dailymotion_traffic

Incoming interface: port3

Outgoing interface: SD-WAN

Source: all

Destination: all

Schedule: always

Service: ALL

Action: [✓ ACCEPT] DENY

Inspection Mode: [✓ Flow-based] Proxy-based

Firewall / Network Options

NAT: ●

IP Pool Configuration: [✓ Use Outgoing Interface Address] Use Dynamic

Preserve Source Port: ○

Protocol Options: PRX default

Security Profiles

AntiVirus: ○

WebFilter: ○

DNS Filter: ○

Application Control: ○

IPS: ○

SSL Inspection: SSL certificate-inspection

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

FortiGate is not performing traffic shaping as expected, based on the policies shown in the exhibits.

To correct this traffic shaping issue on FortiGate, what configuration change must be made on which policy?

A. The URL category must be specified on the traffic shaping policy.
B. The shaper mode must be applied per-IP shaper on the traffic shaping policy.
C. The web filter profile must be enabled on the firewall policy.
D. The application control profile must be enabled on the firewall policy.

Correct Answer: C
Section: (none)

Explanation
Explanation/Reference:

QUESTION 3 Which statement defines how a per-IP traffic shaper of 10 Mbps is applied to the entire network?

A. The 10 Mbps bandwidth is shared equally among the IP addresses.
B. Each IP is guaranteed a minimum 10 Mbps of bandwidth.
C. FortiGate allocates each IP address a maximum 10 Mbps of bandwidth.
D. A single user uses the allocated bandwidth divided by total number of users.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.fortinet.com/document/fortigate/6.2.0/cookbook/885253/per-ip-traffic-shaper

QUESTION 4 Which three parameters are available to configure SD-WAN rules? (Choose three.)

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

Correct Answer: CDE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5 Which diagnostic command you can use to show interface-specific SLA logs for the last 10 minutes?

A. `diagnose sys virtual-wan-link health-check`
B. `diagnose sys virtual-wan-link log`
C. `diagnose sys virtual-wan-link sla-log`
D. `diagnose sys virtual-wan-link intf-sla-log`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.fortinet.com/document/fortigate/6.2.0/cookbook/943037/sla-logging

QUESTION 6 Which diagnostic command can you use to show the SD-WAN rules interface information and state?

A. `diagnose sys virtual-wan-link route-tag-list.`
B. `diagnose sys virtual-wan-link service.`
C. `diagnose sys virtual-wan-link member.`
D. `diagnose sys virtual-wan-link neighbor.`

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference: https://docs.fortinet.com/document/fortigate/6.2.0/cookbook/818746/sd-wan-related-diagnose-commands

QUESTION 7
Refer to exhibits.

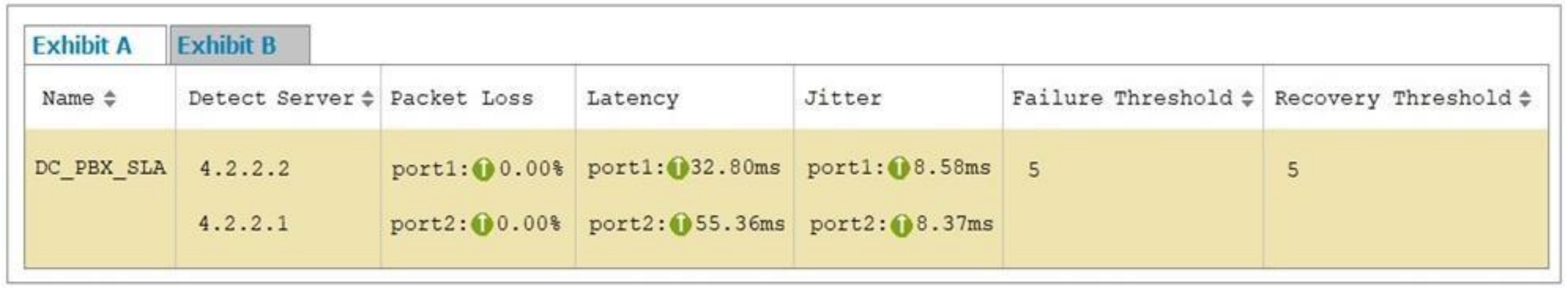


Exhibit A Exhibit B

Name ⇕	Detect Server ⇕	Packet Loss	Latency	Jitter	Failure Threshold ⇕	Recovery Threshold ⇕
DC_PBX_SLA	4.2.2.2 4.2.2.1	port1: ⬆ 0.00% port2: ⬆ 0.00%	port1: ⬆ 32.80ms port2: ⬆ 55.36ms	port1: ⬆ 8.58ms port2: ⬆ 8.37ms	5	5

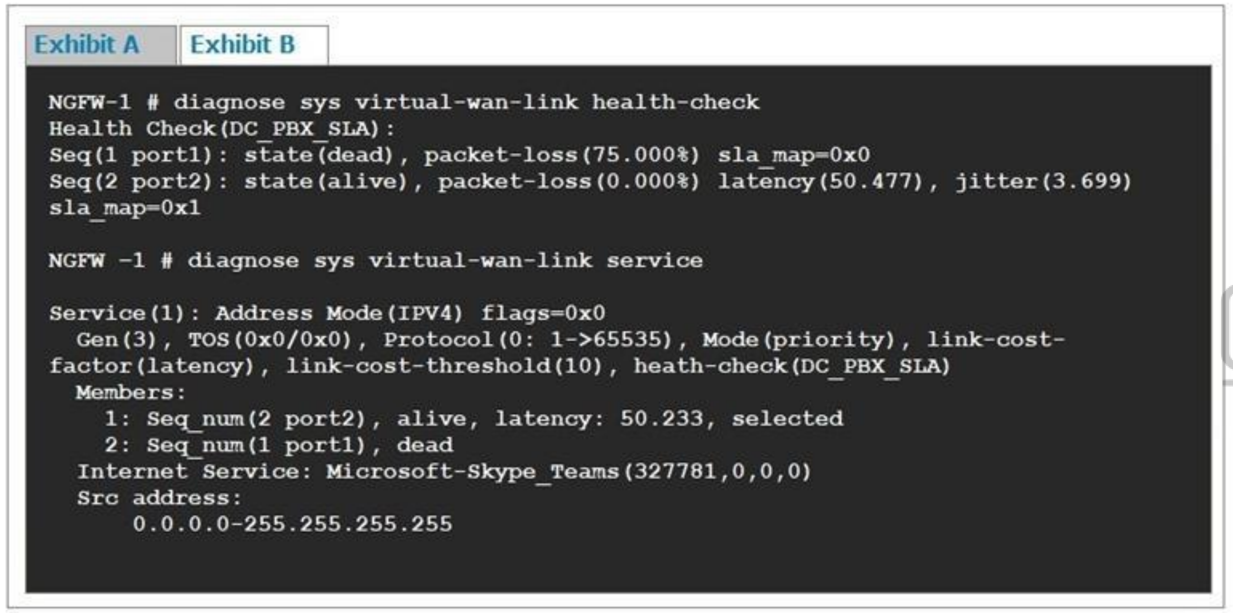


Exhibit A Exhibit B

```
NGFW-1 # diagnose sys virtual-wan-link health-check
Health Check(DC_PBX_SLA):
Seq(1 port1): state(dead), packet-loss(75.000%) sla_map=0x0
Seq(2 port2): state(alive), packet-loss(0.000%) latency(50.477), jitter(3.699)
sla_map=0x1

NGFW -1 # diagnose sys virtual-wan-link service

Service(1): Address Mode(IPV4) flags=0x0
  Gen(3), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(priority), link-cost-
factor(latency), link-cost-threshold(10), heath-check(DC_PBX_SLA)
  Members:
    1: Seq_num(2 port2), alive, latency: 50.233, selected
    2: Seq_num(1 port1), dead
  Internet Service: Microsoft-Skype_Teams(327781,0,0,0)
  Src address:
      0.0.0.0-255.255.255.255
```

Exhibit A shows the performance SLA exhibit B shows the SD-WAN diagnostics output.

Based on the exhibits, which statement is correct?

A. Port1 became dead because no traffic was offload through the egress of port1.
B. SD-WAN member interfaces are affected by the SLA state of the inactive interface.
C. Both SD-WAN member interfaces have used separate SLA targets.
D. The SLA state of port1 is dead after five unanswered requests by the SLA servers.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
Which statement is correct about the SD-WAN and ADVPN?
A. Spoke support dynamic VPN as a static interface.

B. Dynamic VPN is not supported as an SD-WAN interface.
C. ADVPN interface can be a member of SD-WAN interface.
D. Hub FortiGate is limited to use ADVPN as SD-WAN member interface.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

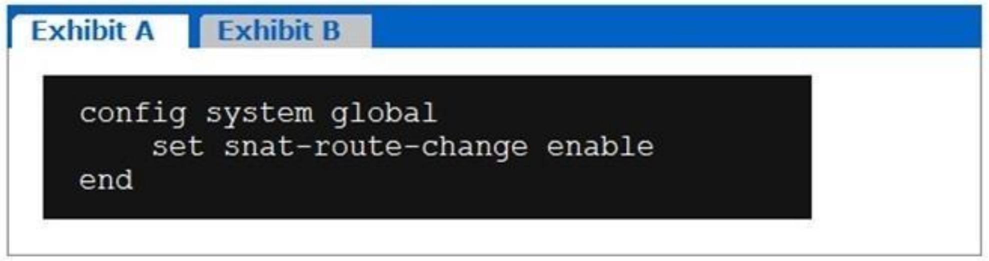
QUESTION 9 Which two reasons make forward error correction (FEC) ideal to enable in a phase one VPN interface? (Choose two.)

A. FEC is useful to increase speed at which traffic is routed through IPsec tunnels.
B. FEC transmits the original payload in full to recover the error in transmission.
C. FEC transmits additional packets as redundant data to the remote device.
D. FEC improves reliability, which overcomes adverse WAN conditions such as noisy links.
E. FEC reduces the stress on the remote device jitter buffer to reconstruct packet loss.

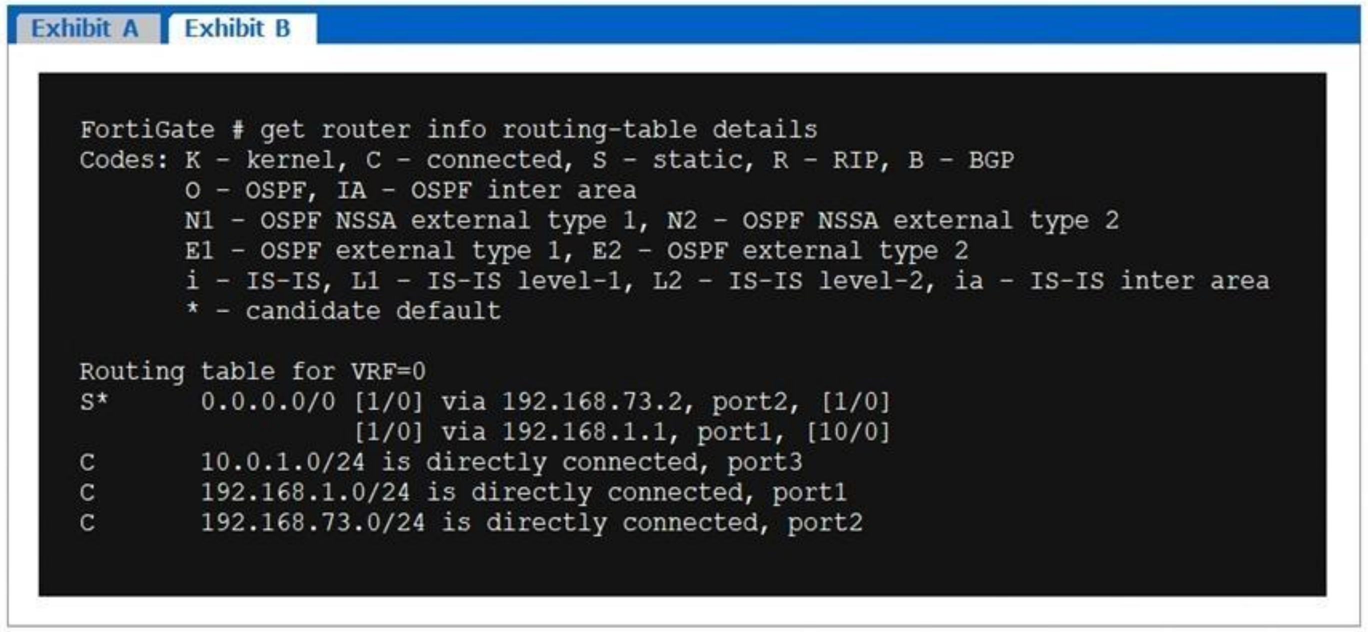
Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
Refer to exhibits.



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



```
FortiGate # get router info routing-table details
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 192.168.73.2, port2, [1/0]
                  [1/0] via 192.168.1.1, port1, [10/0]
C       10.0.1.0/24 is directly connected, port3
C       192.168.1.0/24 is directly connected, port1
C       192.168.73.0/24 is directly connected, port2
```

Exhibit A shows the source NAT global setting and exhibit B shows the routing table on FortiGate.

Based on the exhibits, which two statements about increasing the port2 interface priority to 20 are true? (Choose two.)

A. All the existing sessions that do not use SNAT will be flushed and routed through port1.
B. All the existing sessions will continue to use port2, and new sessions will use port1.
C. All the existing sessions using SNAT will be flushed and routed through port1.
D. All the existing sessions will be blocked from using port1 and port2.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

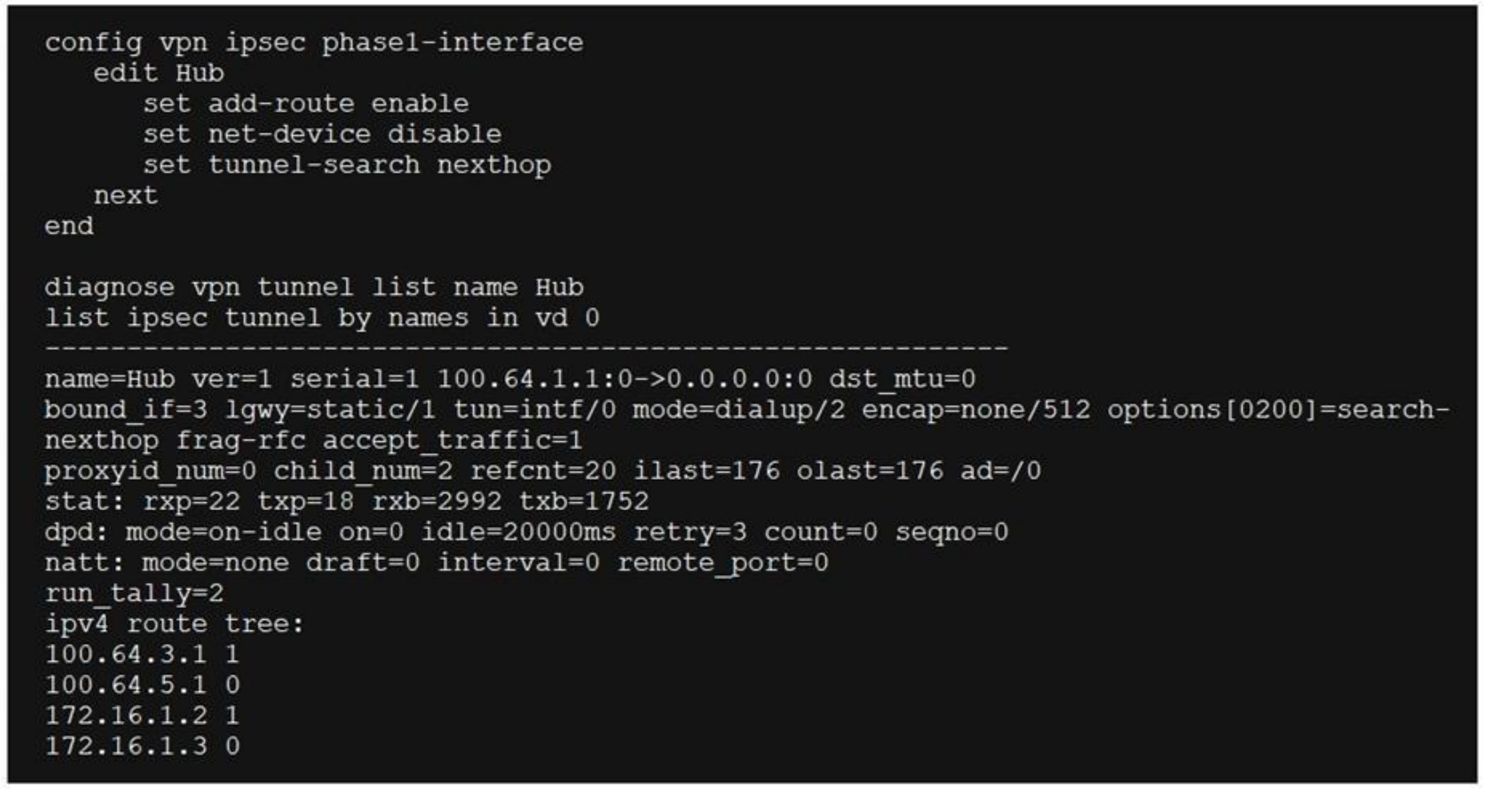
QUESTION 11
Which components make up the secure SD-WAN solution?

A. FortiGate, FortiManager, FortiAnalyzer, and FortiDeploy
B. Application, antivirus, and URL, and SSL inspection
C. Datacenter, branch offices, and public cloud
D. Telephone, ISDN, and telecom network

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Refer to the exhibit.



```
config vpn ipsec phase1-interface
   edit Hub
      set add-route enable
      set net-device disable
      set tunnel-search nexthop
   next
end

diagnose vpn tunnel list name Hub
list ipsec tunnel by names in vd 0
-----------------------------------------------------------
name=Hub ver=1 serial=1 100.64.1.1:0->0.0.0.0:0 dst_mtu=0
bound_if=3 lgwy=static/1 tun=intf/0 mode=dialup/2 encap=none/512 options[0200]=search-
nexthop frag-rfc accept_traffic=1
proxyid_num=0 child_num=2 refcnt=20 ilast=176 olast=176 ad=/0
stat: rxp=22 txp=18 rxb=2992 txb=1752
dpd: mode=on-idle on=0 idle=20000ms retry=3 count=0 seqno=0
natt: mode=none draft=0 interval=0 remote_port=0
run_tally=2
ipv4 route tree:
100.64.3.1 1
100.64.5.1 0
172.16.1.2 1
172.16.1.3 0
```

Which two statements about the status of the VPN tunnel are true? (Choose two.)

A. There are separate virtual interfaces for each dial-up client.
B. VPN static routes are prevented from populating the FortiGate routing table.
C. FortiGate created a single IPsec virtual interface that is shared by all clients.
D. `100.64.3.1` is one of the remote IP address that comes through index interface 1.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
Refer to exhibits.

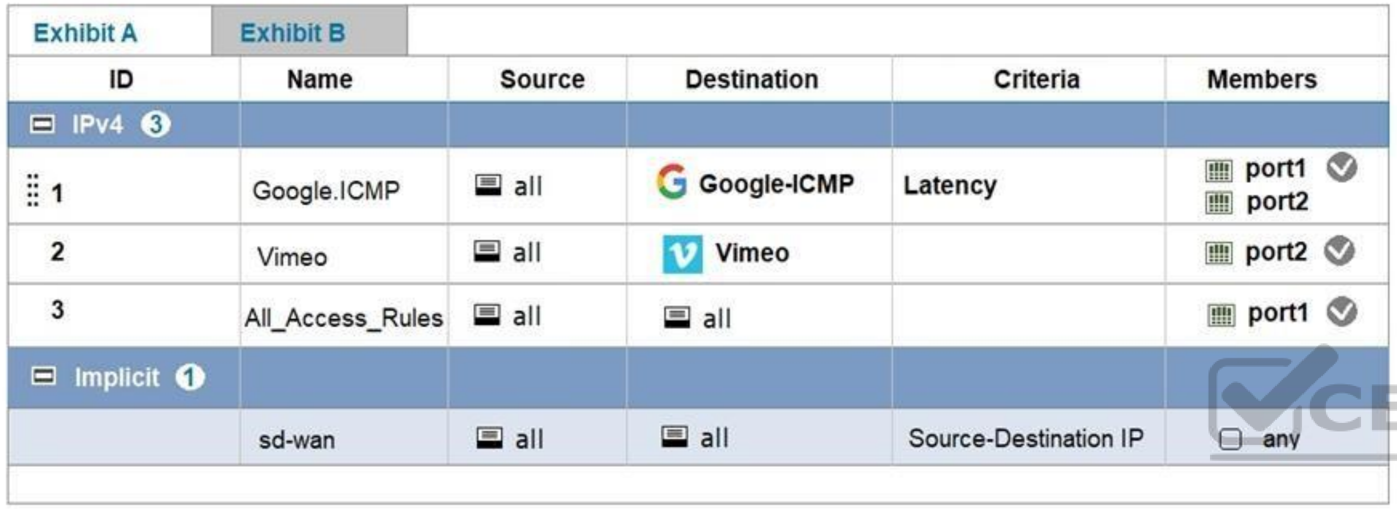


Exhibit A | Exhibit B

ID	Name	Source	Destination	Criteria	Members
⊟ IPv4 3					
1	Google.ICMP	all	Google-ICMP	Latency	port1 ✓ port2
2	Vimeo	all	Vimeo		port2 ✓
3	All_Access_Rules	all	all		port1 ✓
⊟ Implicit 1					
	sd-wan	all	all	Source-Destination IP	any

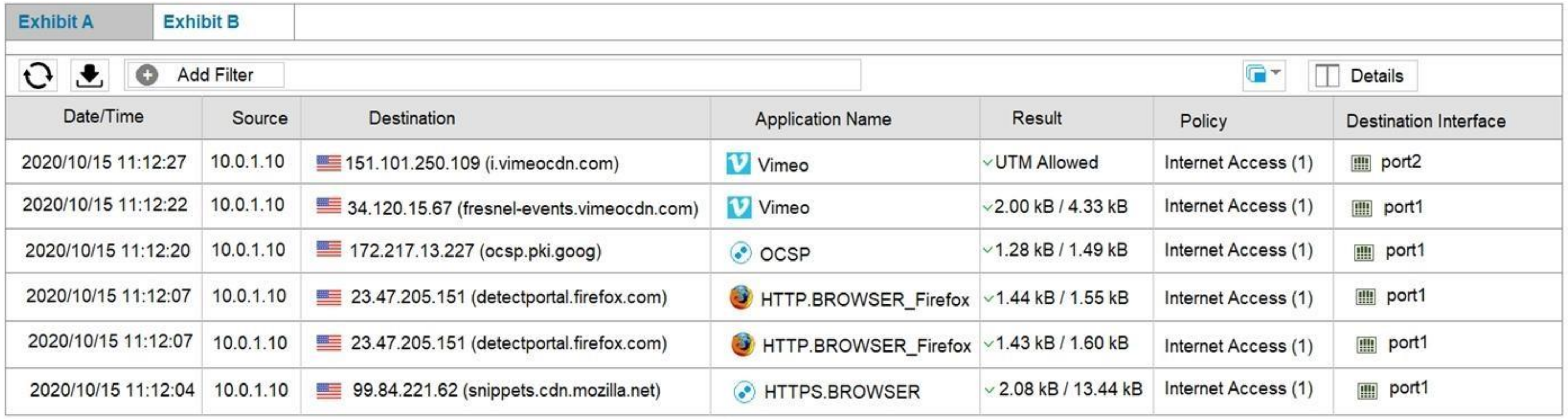


Exhibit A | Exhibit B

Add Filter | Details

Date/Time	Source	Destination	Application Name	Result	Policy	Destination Interface
2020/10/15 11:12:27	10.0.1.10	151.101.250.109 (i.vimeocdn.com)	Vimeo	✓UTM Allowed	Internet Access (1)	port2
2020/10/15 11:12:22	10.0.1.10	34.120.15.67 (fresnel-events.vimeocdn.com)	Vimeo	✓2.00 kB / 4.33 kB	Internet Access (1)	port1
2020/10/15 11:12:20	10.0.1.10	172.217.13.227 (ocsp.pki.goog)	OCSP	✓1.28 kB / 1.49 kB	Internet Access (1)	port1
2020/10/15 11:12:07	10.0.1.10	23.47.205.151 (detectportal.firefox.com)	HTTP.BROWSER_Firefox	✓1.44 kB / 1.55 kB	Internet Access (1)	port1
2020/10/15 11:12:07	10.0.1.10	23.47.205.151 (detectportal.firefox.com)	HTTP.BROWSER_Firefox	✓1.43 kB / 1.60 kB	Internet Access (1)	port1
2020/10/15 11:12:04	10.0.1.10	99.84.221.62 (snippets.cdn.mozilla.net)	HTTPS.BROWSER	✓2.08 kB / 13.44 kB	Internet Access (1)	port1

Exhibit A shows the SD-WAN rules and exhibit B shows the traffic logs. The SD-WAN traffic logs reflect how FortiGate processed traffic.

Which two statements about how the configured SD-WAN rules are processing traffic are true? (Choose two.)

A. The implicit rule overrides all other rules because parameters widely cover sources and destinations.
B. SD-WAN rules are evaluated in the same way as firewall policies: from top to bottom.
C. The `All_Access_Rules` rule load balances Vimeo application traffic among SD-WAN member interfaces.
D. The initial session of an application goes through a learning phase in order to apply the correct rule.

Correct Answer: AB
Section: (none)
Explanation

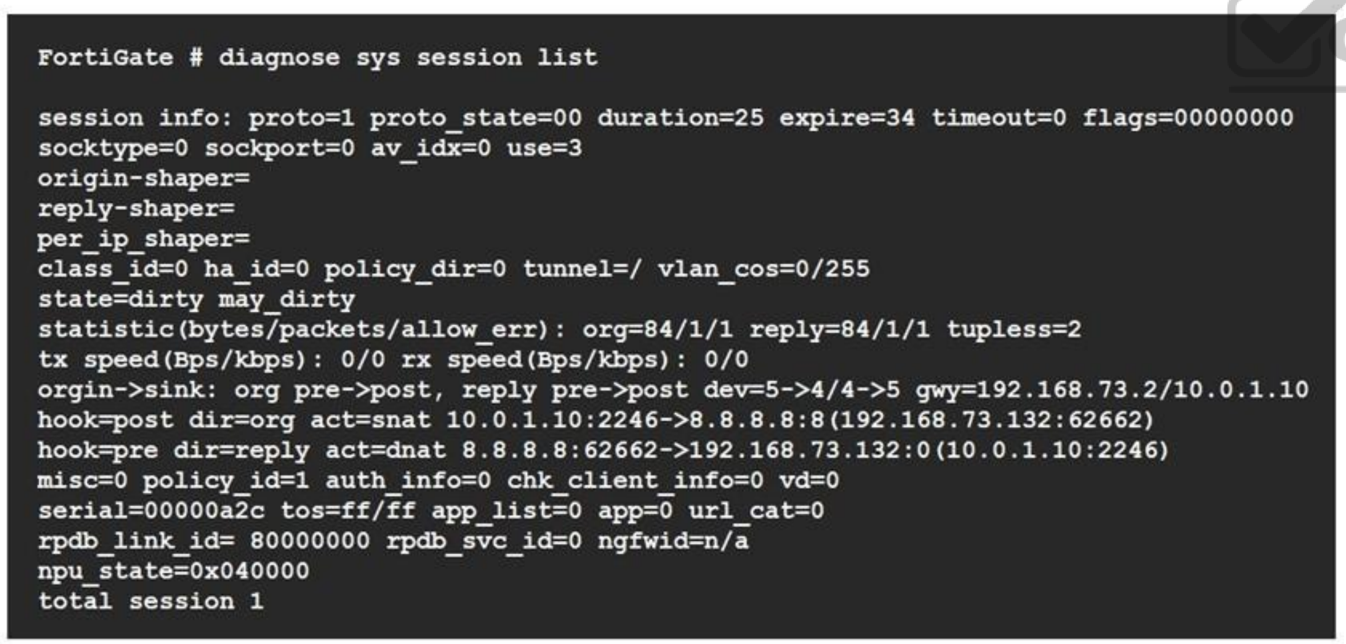
Explanation/Reference:

QUESTION 14
What are the two minimum configuration requirements for an outgoing interface to be selected once the SD-WAN logical interface is enabled? (Choose two.)
A. Specify outgoing interface routing cost.
B. Configure SD-WAN rules interface preference.
C. Select SD-WAN balancing strategy.
D. Specify incoming interfaces in SD-WAN rules.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Refer to the exhibit.



```
FortiGate # diagnose sys session list

session info: proto=1 proto_state=00 duration=25 expire=34 timeout=0 flags=00000000
socktype=0 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
class_id=0 ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=dirty may_dirty
statistic(bytes/packets/allow_err): org=84/1/1 reply=84/1/1 tupless=2
tx speed(Bps/kbps): 0/0 rx speed(Bps/kbps): 0/0
orgin->sink: org pre->post, reply pre->post dev=5->4/4->5 gwy=192.168.73.2/10.0.1.10
hook=post dir=org act=snat 10.0.1.10:2246->8.8.8.8:8(192.168.73.132:62662)
hook=pre dir=reply act=dnat 8.8.8.8:62662->192.168.73.132:0(10.0.1.10:2246)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00000a2c tos=ff/ff app_list=0 app=0 url_cat=0
rpdb_link_id= 80000000 rpdb_svc_id=0 ngfwid=n/a
npu_state=0x040000
total session 1
```

Based on the exhibit, which statement about FortiGate re-evaluating traffic is true?

A. The type of traffic defined and allowed on firewall policy ID 1 is UDP.
B. Changes have been made on firewall policy ID 1 on FortiGate.
C. Firewall policy ID 1 has source NAT disabled.
D. FortiGate has terminated the session after a change on policy ID 1.

Correct Answer: B

Section: (none)
Explanation

Explanation/Reference:

QUESTION 16 What are two reasons why FortiGate would be unable to complete the zero-touch provisioning process? (Choose two.)

A. The FortiGate cloud key has not been added to the FortiGate cloud portal.
B. FortiDeploy has connected with FortiGate and provided the initial configuration to contact FortiManager.
C. FortiGAte has obtained a configuration from the platform template in FortiGate cloud.
D. A factory reset performed on FortiGate.
E. The zero-touch provisioning process has completed internally, behind FortiGate.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

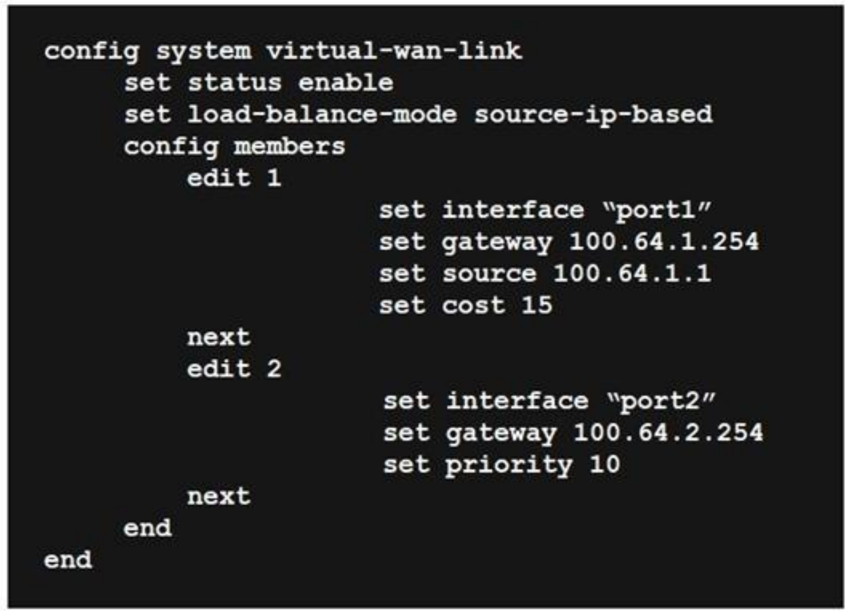
QUESTION 17 Which two statements reflect the benefits of implementing the ADVPN solution to replace conventional VPN topologies? (Choose two.)

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 between spokes.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
Refer to the exhibit.



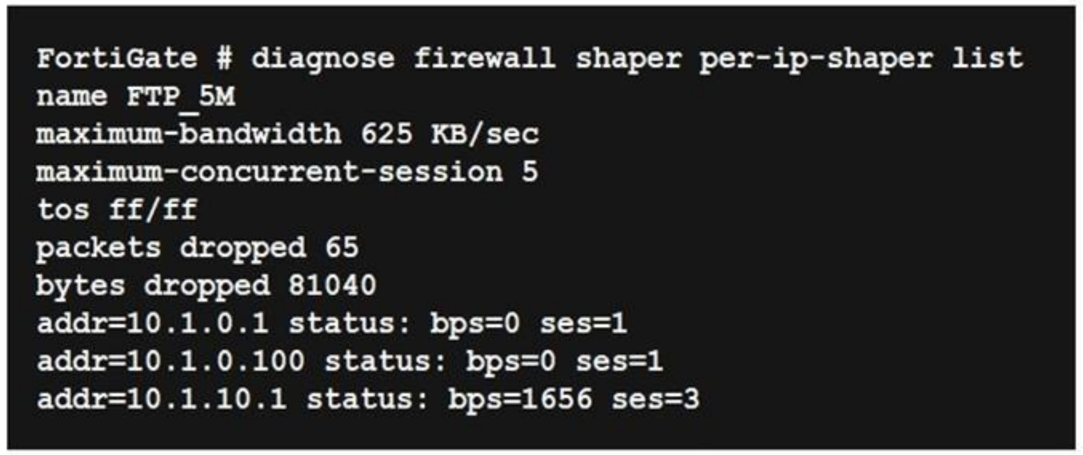
```
config system virtual-wan-link
     set status enable
     set load-balance-mode source-ip-based
     config members
         edit 1
                     set interface "port1"
                     set gateway 100.64.1.254
                     set source 100.64.1.1
                     set cost 15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

Based on output shown in the exhibit, which two commands can be used by SD-WAN rules? (Choose two.)

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

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
QUESTION 19
Refer to the exhibit.



```
FortiGate # diagnose firewall shaper per-ip-shaper list
name FTP_5M
maximum-bandwidth 625 KB/sec
maximum-concurrent-session 5
tos ff/ff
packets dropped 65
bytes dropped 81040
addr=10.1.0.1 status: bps=0 ses=1
addr=10.1.0.100 status: bps=0 ses=1
addr=10.1.10.1 status: bps=1656 ses=3
```

Which two statements about the debug output are correct? (Choose two.)

A. The debug output shows per-IP shaper values and real-time readings.
B. This traffic shaper drops traffic that exceeds the set limits.
C. Traffic being controlled by the traffic shaper is under 1 Kbps.
D. FortiGate provides statistics and reading based on historical traffic logs.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

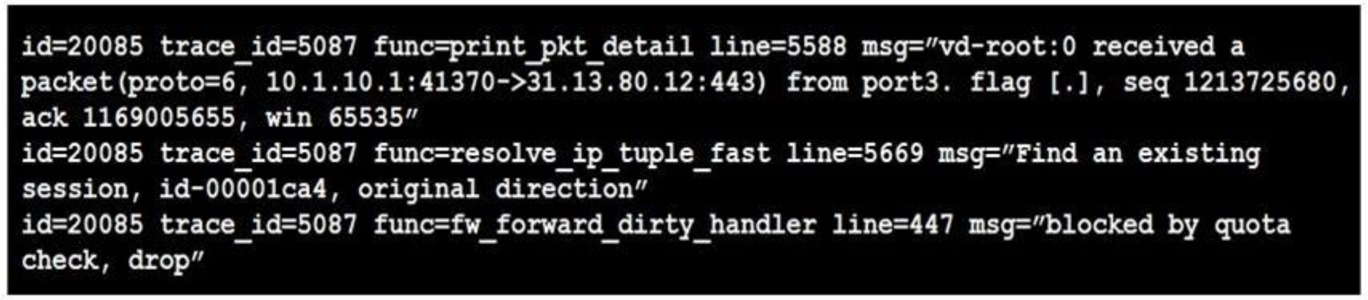
QUESTION 20
In the default SD-WAN minimum configuration, which two statements are correct when traffic matches the default implicit SD-WAN rule? (Choose two.)

A. Traffic has matched none of the FortiGate policy routes.
B. Matched traffic failed RPF and was caught by the rule.
C. The FIB lookup resolved interface was the SD-WAN interface.
D. An absolute SD-WAN rule was defined and matched traffic.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
Refer to the exhibit.



```
id=20085 trace_id=5087 func=print_pkt_detail line=5588 msg="vd-root:0 received a
packet(proto=6, 10.1.10.1:41370->31.13.80.12:443) from port3. flag [.], seq 1213725680,
ack 1169005655, win 65535"
id=20085 trace_id=5087 func=resolve_ip_tuple_fast line=5669 msg="Find an existing
session, id-00001ca4, original direction"
id=20085 trace_id=5087 func=fw_forward_dirty_handler line=447 msg="blocked by quota
check, drop"
```

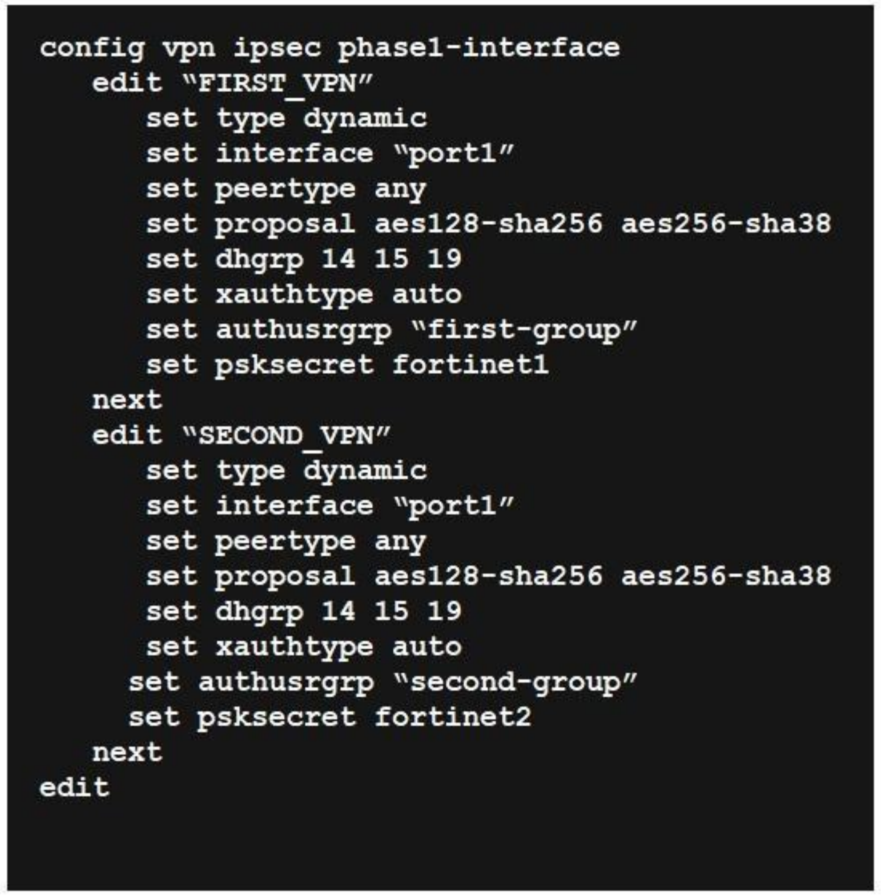
Which statement about the trace evaluation by FortiGate is true?

A. Packets exceeding the configured maximum concurrent connection limit are denied by the per-IP shaper.
B. The packet exceeded the configured bandwidth and was dropped based on the priority configuration.
C. The packet exceeded the configured maximum bandwidth and was dropped by the shared shaper.
D. Packets exceeding the configured concurrent connection limit are dropped based on the priority configuration.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
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.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
Refer to exhibits.

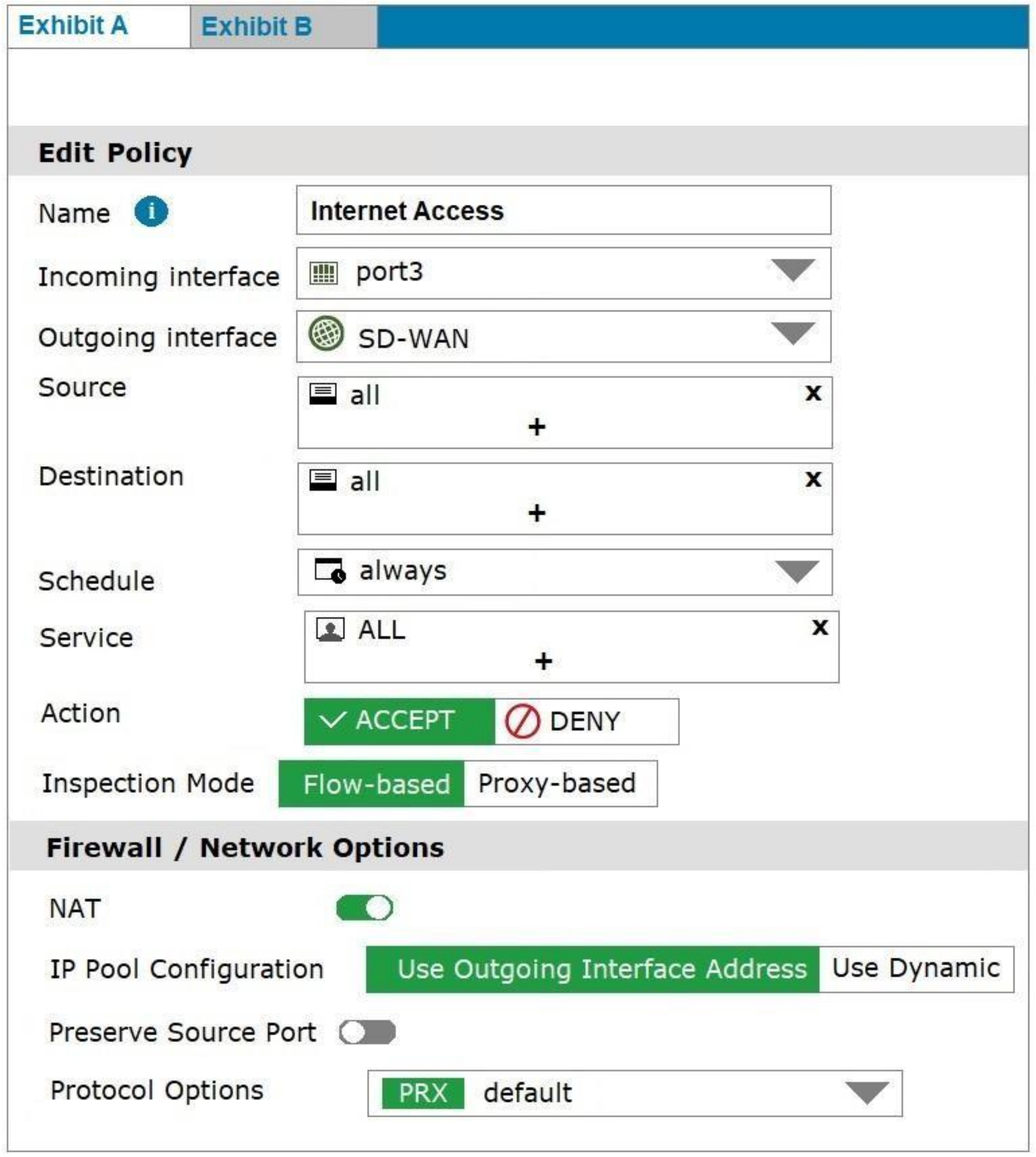


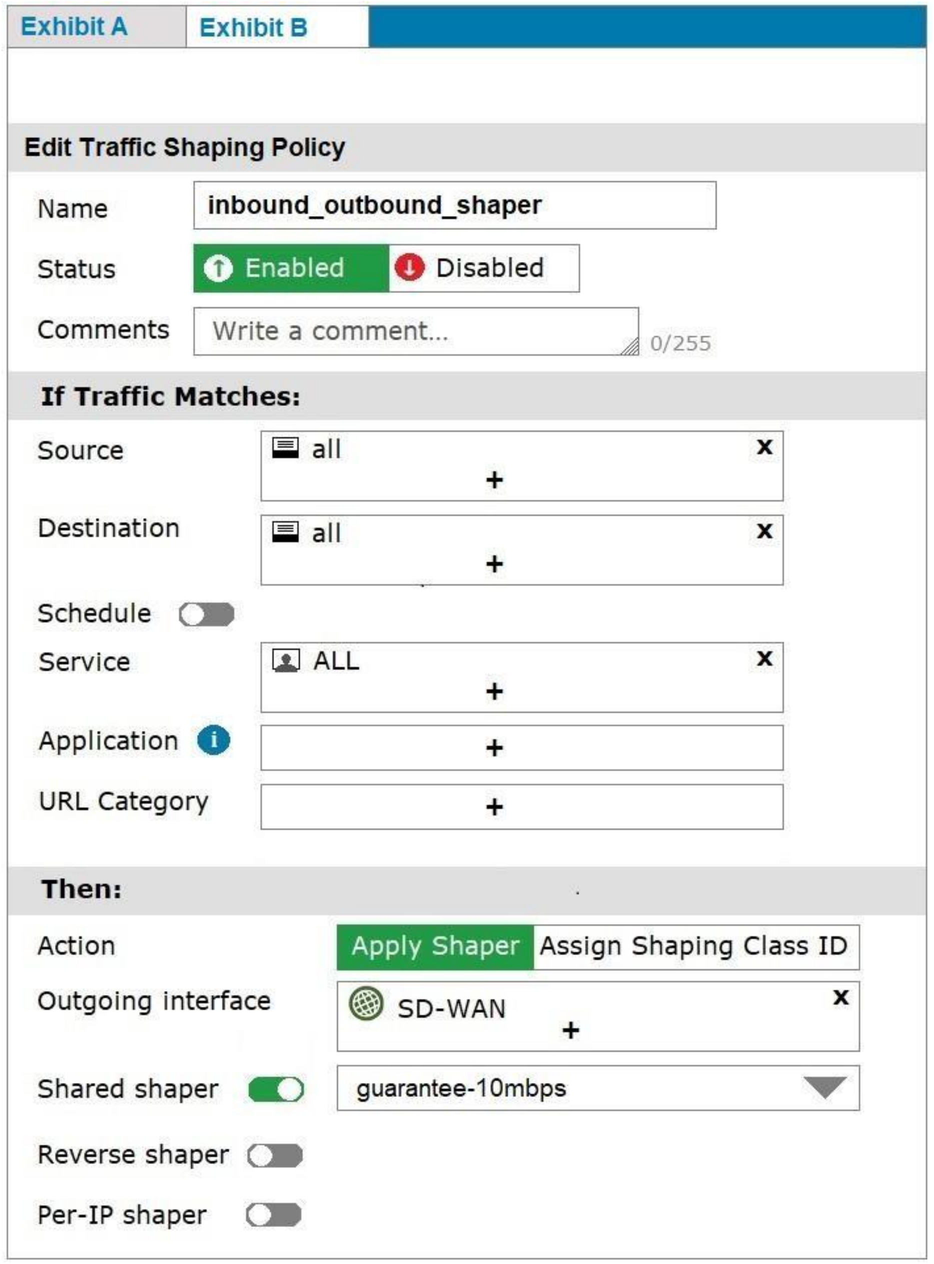
Exhibit A | Exhibit B

Edit Policy

Name: Internet Access
Incoming interface: port3
Outgoing interface: SD-WAN
Source: all
Destination: all
Schedule: always
Service: ALL
Action: ✓ ACCEPT | DENY
Inspection Mode: Flow-based | Proxy-based

Firewall / Network Options

NAT: ●
IP Pool Configuration: Use Outgoing Interface Address | Use Dynamic
Preserve Source Port: ○
Protocol Options: PRX default



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:

URL Category:

Then:

Action: [✓ Apply Shaper] Assign Shaping Class ID

Outgoing interface: SD-WAN

Shared shaper: ● guarantee-10mbps

Reverse shaper: ○

Per-IP shaper: ○

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

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?

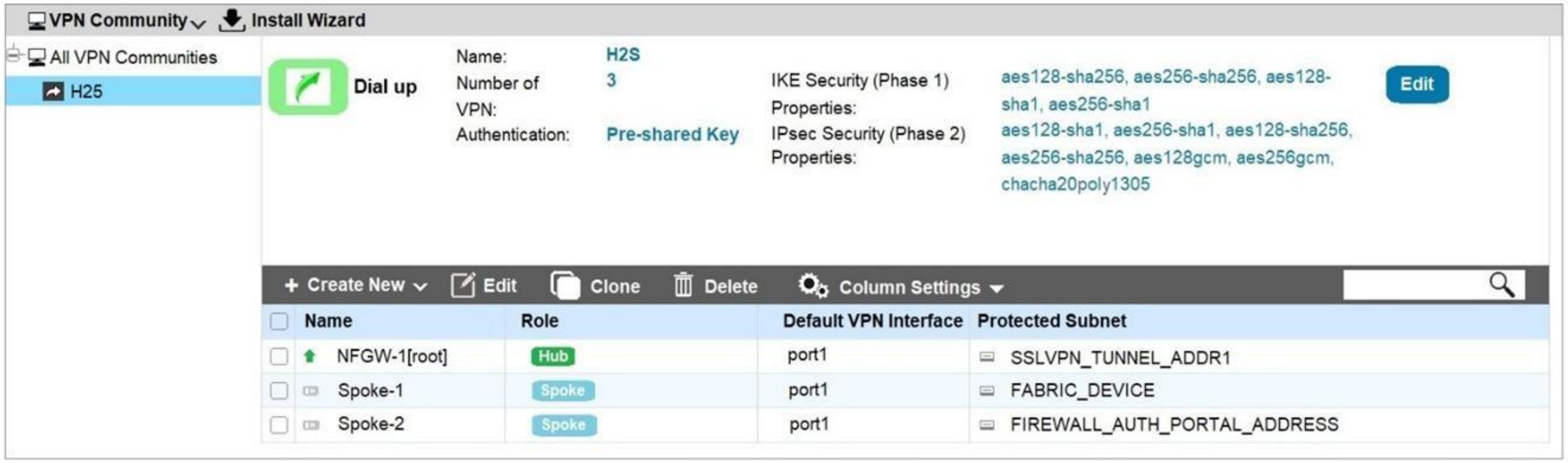
A. The **guaranteed-10mbps** option must be selected as the per-IP shaper option.
B. The **guaranteed-10mbps** option must be selected as the reverse shaper option.
C. A new firewall policy must be created and SD-WAN must be selected as the incoming interface.
D. The reverse shaper option must be enabled and a traffic shaper must be selected.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24

Refer to the exhibit.



Name: H2S
Number of VPN: 3
Authentication: Pre-shared Key
IKE Security (Phase 1) Properties: aes128-sha256, aes256-sha256, aes128-sha1, aes256-sha1
IPsec Security (Phase 2) Properties: aes128-sha1, aes256-sha1, aes128-sha256, aes256-sha256, aes128gcm, aes256gcm, chacha20poly1305

□	Name	Role	Default VPN Interface	Protected Subnet
□	NFGW-1[root]	Hub	port1	SSLVPN_TUNNEL_ADDR1
□	Spoke-1	Spoke	port1	FABRIC_DEVICE
□	Spoke-2	Spoke	port1	FIREWALL_AUTH_PORTAL_ADDRESS

What must you configure to enable ADVPN?

A. ADVPN should only be enabled on unmanaged FortiGate devices.
B. Each VPN device has a unique pre-shared key configured separately on phase one.
C. The protected subnets should be set to address object to all (0.0.0.0/0).
D. On the hub VPN, only the device needs additional phase one settings.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25 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. A total of six packets are exchanged between an initiator and a responder instead of three packets.
D. The use of Diffie Hellman keys is limited by the responder and needs initiator acceptance.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26 What are two benefits of using FortiManager to organize and manage the network for a group of FortiGate devices? (Choose two.)

A. It simplifies the deployment and administration of SD-WAN on managed FortiGate devices.
B. It improves SD-WAN performance on the managed FortiGate devices.
C. It sends probe signals as health checks to the beacon servers on behalf of FortiGate.
D. It acts as a policy compliance entity to review all managed FortiGate devices.

E. It reduces WAN usage on FortiGate devices by acting as a local FortiGuard server.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

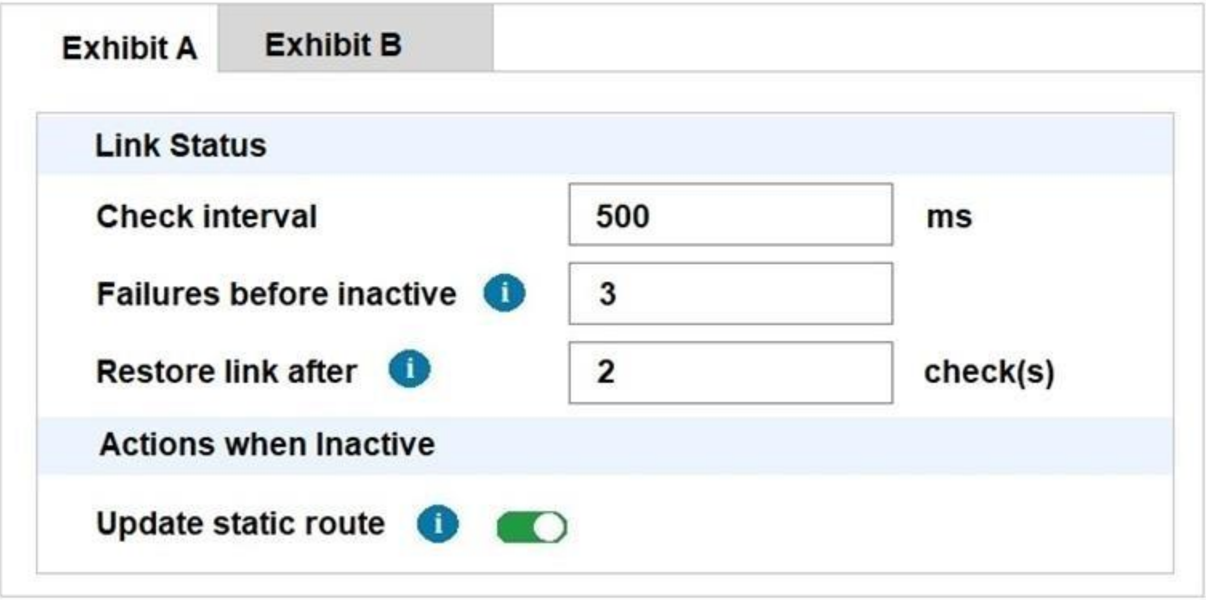
QUESTION 27 What would best describe the SD-WAN traffic shaping mode that bases itself on a percentage of available bandwidth?

A. Per-IP shaping mode
B. Shared policy shaping mode
C. Interface-based shaping mode
D. Reverse policy shaping mode

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Refer to exhibits.



Link Status

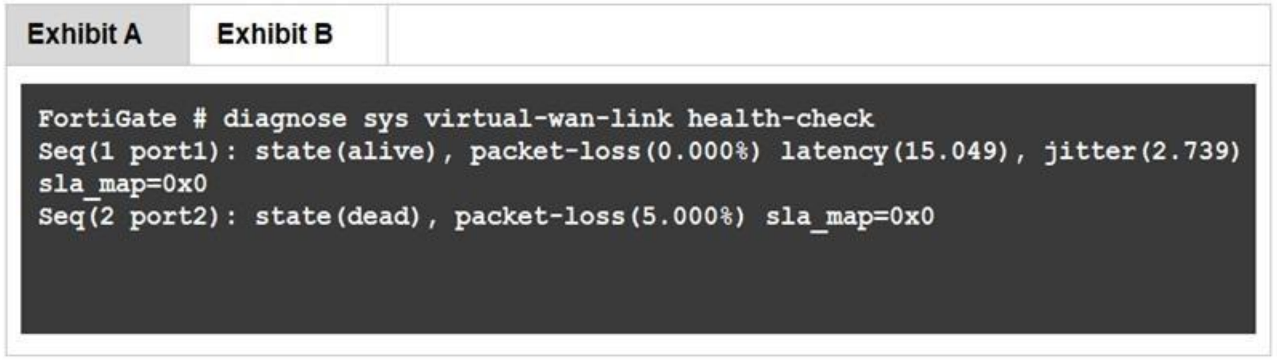
Check interval: 500 ms

Failures before inactive: 3

Restore link after: 2 check(s)

Actions when Inactive

Update static route: enabled



```
FortiGate # diagnose sys virtual-wan-link health-check
Seq(1 port1): state(alive), packet-loss(0.000%) latency(15.049), jitter(2.739)
sla_map=0x0
Seq(2 port2): state(dead), packet-loss(5.000%) sla_map=0x0
```

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. The SLA state of port2 has exceeded three consecutive unanswered requests from the SLA server.
D. Check interval is the time to wait before a packet sent by a member interface considered as lost.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29 What is the `lnkmtd` process responsible for?

A. Flushing route tags addresses
B. Monitoring links for any bandwidth saturation
C. Logging interface quality information
D. Processing performance SLA probes

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30 Which statement reflects how BGP tags work with SD-WAN rules?

A. VPN topologies are formed using only BGP dynamic routing with SD-WAN.
B. Route tags are used for a BGP community and the SD-WAN rules are assigned the same tag.
C. BGP tags require that the adding of static routes be enabled on all ADVPN interfaces.
D. BGP tags match the SD-WAN rule based on the order that these rules were installed.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31 Which statement about using BGP routes in SD-WAN is true?

A. Adding static routes must be enabled on all ADVPN interfaces.
B. VPN topologies must be form using only BGP dynamic routing with SD-WAN.
C. Learned routes can be used as dynamic destinations in SD-WAN rules.
D. Dynamic routing protocols can be used only with non-encrypted traffic.

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:
Reference:
https://www.fortinetguru.com/2019/09/using-bgp-tags-with-sd-wan-rules-fortios-6-2/#:~:text=SD%2DWAN%20rules%20can%20use,to%20the%20customer's%20data%20center.

QUESTION 32
An administrator is troubleshooting VoIP quality issues that occur when calling external phone numbers. The SD-WAN interface on the edge FortiGate is configured with the default settings, and is using two upstream links. One link has random jitter and latency issues, and is based on a wireless connection.

Which two actions must the administrator apply simultaneously on the edge FortiGate to improve VoIP quality using SD-WAN rules? (Choose two.)

A. Select the corresponding SD-WAN balancing strategy in the SD-WAN rule.
B. Choose the suitable interface based on the interface cost and weight.
C. Use the performance SLA targets to detect latency and jitter instantly.
D. Place the troublesome link at the top of the interface preference list.
E. Configure an SD-WAN rule to load balance all traffic without VoIP.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
Refer to exhibits.

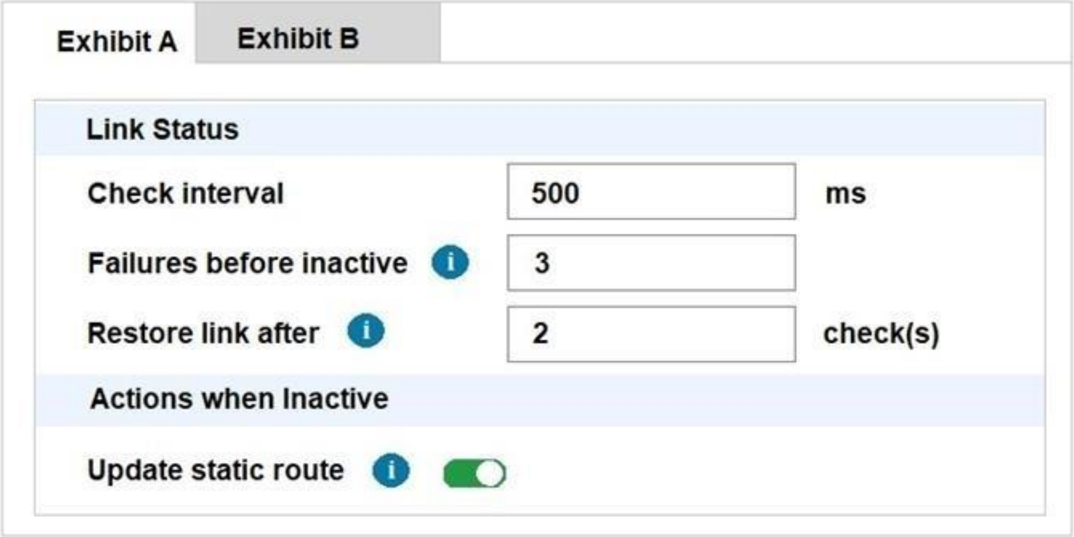


Exhibit A | Exhibit B

Link Status

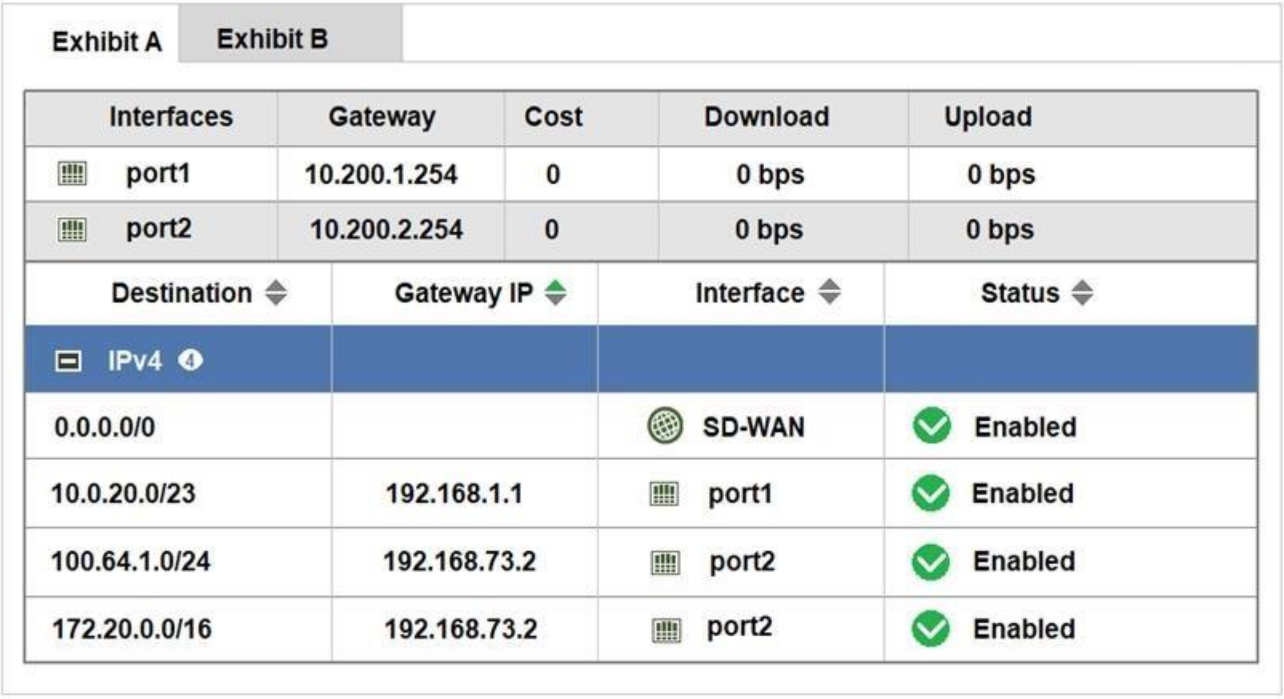
Check interval 500 ms

Failures before inactive 3

Restore link after 2 check(s)

Actions when Inactive

Update static route



Interfaces	Gateway	Cost	Download	Upload
port1	10.200.1.254	0	0 bps	0 bps
port2	10.200.2.254	0	0 bps	0 bps

Destination	Gateway IP	Interface	Status
IPv4			
0.0.0.0/0		SD-WAN	✓ Enabled
10.0.20.0/23	192.168.1.1	port1	✓ Enabled
100.64.1.0/24	192.168.73.2	port2	✓ Enabled
172.20.0.0/16	192.168.73.2	port2	✓ Enabled

Exhibit A shows the SD-WAN performance SLA and exhibit B shows the SD-WAN interface and the static routes configuration.

Port1 and port2 are member interfaces of the SD-WAN, and port2 becomes a dead member after reaching the failure thresholds.

Which statement about the dead member is correct?

A. Port2 might become alive when a single response is received from an SLA server.
B. Dead members require manual administrator access to bring them back alive.
C. Subnets `100.64.1.0/24` and `172.20.0.0/16` are reachable only through port1.
D. SD-WAN interface becomes disabled and port1 becomes the WAN interface.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34 What are two roles that SD-WAN orchestrator plays when it works with FortiManager? (Choose two.)

A. It configures and monitors SD-WAN networks on FortiGate devices that are managed by FortiManager.
B. It acts as a standalone device to assist FortiManager to manage SD-WAN interfaces on the managed FortiGate devices.
C. It acts as a hub FortiGate with an SD-WAN interface enabled and managed along with other FortiGate devices by FortiManager.
D. It acts as an application that is released and signed by Fortinet to run as a part of management extensions on FortiManager.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference: