



Fortinet

Exam Questions NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4

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NEW QUESTION 1

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
origin->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
rpd_b_link_id= 80000000 rpd_b_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. FortiGate has terminated the session after a change on policy ID 1.
- C. Changes have been made on firewall policy ID 1 on FortiGate.
- D. Firewall policy ID 1 has source NAT disabled.

Answer: C

NEW QUESTION 2

Refer to the exhibit.

```
config system virtual-wan-link
    config service
        edit 1
            set name "Tagged Traffic"
            set mode manual
            set route-tag 15
        next
    end
end
```

Which statement about the command route-tag in the SD-WAN rule is true?

- A. It enables the SD-WAN rule to load balance and assign traffic with a route tag
- B. It tags each route and references the tag in the routing table.
- C. It uses route tags for a BGP community and assigns the SD-WAN rules with same tag.
- D. It ensures route tags match the SD-WAN rule based on the rule order

Answer: D

NEW QUESTION 3

Refer to exhibits.

Edit Policy

| | |
|----------------------------|---|
| Name | Internet Access |
| Incoming Interface | port3 |
| Outgoing Interface | SD-WAN |
| Source | all |
| Destination | all |
| Schedule | always |
| Service | ALL |
| Action | <input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> DENY |
| Inspection Mode | <input checked="" type="checkbox"/> Flow-based <input type="checkbox"/> Proxy-based |
| Firewall / Network Options | |
| NAT | <input checked="" type="checkbox"/> |
| IP Pool Configuration | <input checked="" type="checkbox"/> Use Outgoing Interface Address <input type="checkbox"/> Use Dynamic IP Pool |
| Preserve Source Port | <input type="checkbox"/> |
| Protocol Options | <input checked="" type="checkbox"/> PROX default |

Edit Traffic Shaping Policy

| | |
|---------------------|---|
| Name | inbound_outbound_shaper |
| Status | <input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled |
| Comments | Write a comment... 0/255 |
| If Traffic Matches: | |
| Source | all |
| Destination | all |
| Schedule | <input type="checkbox"/> |
| Service | ALL |
| Application | |
| URL Category | |
| Then: | |
| Action | <input checked="" type="checkbox"/> Apply Shaper <input type="checkbox"/> Assign Shaping Class ID |
| Outgoing interface | SD-WAN |
| Shared shaper | <input checked="" type="checkbox"/> guarantee-10mbps |
| Reverse shaper | <input type="checkbox"/> |
| Per-IP shaper | <input type="checkbox"/> |

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 reverse shaper option must be enabled and a traffic shaper must be selected
- 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 guaranteed-10mbps option must be selected as the per-IP shaper option

Answer: B

NEW QUESTION 4

Refer to exhibits. Exhibit A.

Exhibit A

Exhibit B

Link Status

Check interval

500

ms

Failures before inactive

i

3

Restore link after

i

2

check(s)

Actions when Inactive

Update static route

i

Exhibit B.

Exhibit A

Exhibit B

```
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. The SLA state of port2 has exceeded three consecutive unanswered requests from the SLA server.
- C. Port2 needs to wait 500 milliseconds to change the status from alive to dead.
- D. Check interval is the time to wait before a packet sent by a member interface considered as lost.

Answer: B

NEW QUESTION 5

Which components make up the secure SD-WAN solution?

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

Answer: C

NEW QUESTION 6

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. Reverse policy shaping mode
- C. Interface-based shaping mode
- D. Shared policy shaping mode

Answer: D

NEW QUESTION 7

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.D18912E1457D5D1DDCBD40AB3BF70D5D
 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.

Answer: CD

NEW QUESTION 8

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

+

X

Destination

all

+

X

Schedule

Service

ALL

+

X

Application

+

URL Category

Streaming Media and Download

+

X

Then:

Action

Apply Shaper

Assign Shaping Class ID

Outgoing interface

SD-WAN

+

X

Shared shaper

Reverse shaper

shared-1M-pipe

▼

Per-IP shaper

Exhibit B.

| Exhibit A | | Exhibit B | |
|-----------------------------------|---|-----------|--|
| Edit Policy | | | |
| Name | Dailymotion_traffic | | |
| Incoming interface | port3 | | |
| Outgoing interface | SD-WAN | | |
| Source | all + x | | |
| Destination | all + x | | |
| Schedule | always | | |
| Service | ALL + x | | |
| Action | <input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> DENY | | |
| Inspection Mode | <input checked="" type="checkbox"/> Flow-based <input type="checkbox"/> Proxy-based | | |
| Firewall / Network Options | | | |
| NAT | <input checked="" type="checkbox"/> | | |
| IP Pool Configuration | <input checked="" type="checkbox"/> Use Outgoing Interface Address <input type="checkbox"/> Use Dynamic | | |
| Preserve Source Port | <input type="checkbox"/> | | |
| Protocol Options | <input checked="" type="checkbox"/> PRX <input type="checkbox"/> default | | |
| Security Profiles | | | |
| AntiVirus | <input type="checkbox"/> | | |
| WebFilter | <input type="checkbox"/> | | |
| DNS Filter | <input type="checkbox"/> | | |
| Application Control | <input type="checkbox"/> | | |
| IPS | <input type="checkbox"/> | | |
| SSL Inspection | <input checked="" type="checkbox"/> SSL <input type="checkbox"/> certificate-inspection | | |

Exhibit A shows the traffic shaping policy and exhibit B show: the firewall policy
FortiGate is not performing traffic shaping as expected basi 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 shaper mode must be applied per-IP shaper on the traffic shaping policy
B. The application control profile must be enabled on the firewall policy.
C. The web filter profile must be enabled on the firewall policy
D. The URL category must be specified on the traffic shaping policy

Answer: C

NEW QUESTION 9

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.

Answer: AB

NEW QUESTION 10

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.

Answer: CD

NEW QUESTION 10

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

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

Answer: D

NEW QUESTION 11

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.

Answer: BD

NEW QUESTION 15

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

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

Answer: BD

NEW QUESTION 20

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

Answer: C

NEW QUESTION 25

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