

Fortinet

Exam Questions NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4



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
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. 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
  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.

Answer: CD**NEW QUESTION 3**

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

Answer: C

NEW QUESTION 4

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 5

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 6

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

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

Answer: A

NEW QUESTION 7


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 8

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: D

NEW QUESTION 9

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 10

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 10

Refer to exhibits.

Exhibit A	Exhibit B
<h3>Edit Traffic Shaping Policy</h3>	
Name	Streaming_shaper
Status	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled
Comments	<input type="text" value="Write a comment..."/> 0/255
<h3>If Traffic Matches:</h3>	
Source	<div> <div>all</div> <div>+</div> <div>X</div> </div>
Destination	<div> <div>all</div> <div>+</div> <div>X</div> </div>
Schedule	<input type="checkbox"/>
Service	<div> <div>ALL</div> <div>+</div> <div>X</div> </div>
Application	<div> <div></div> <div>+</div> <div></div> </div>
URL Category	<div> <div>Streaming Media and Download</div> <div>+</div> <div>X</div> </div>
<h3>Then:</h3>	
Action	<input checked="" type="checkbox"/> Apply Shaper <input type="checkbox"/> Assign Shaping Class ID
Outgoing interface	<div> <div>SD-WAN</div> <div>+</div> <div>X</div> </div>
Shared shaper	<input type="checkbox"/>
Reverse shaper	<input checked="" type="checkbox"/>
Per-IP shaper	<input type="checkbox"/>
	<input type="text" value="shared-1M-pipe"/>

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 15

NEW QUESTION 13

Which statement is correct about the SD-WAN and ADVPN?

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

Answer: A

NEW QUESTION 16

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	port1: 🟢 0.00%	port1: 🟢 32.80ms	port1: 🟢 8.58ms	5	5
	4.2.2.1	port2: 🟢 0.00%	port2: 🟢 55.36ms	port2: 🟢 8.37ms		

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

Answer: B

NEW QUESTION 20

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

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

Answer: C

NEW QUESTION 22

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 25

Refer to exhibits. Exhibit A.

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

Exhibit B.

Exhibit A

Exhibit B

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 4			
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 SO-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. Subnets 100 .64.1.0/23 and 172 . 20 . 0. 0/16 are reachable only through port1
- B. SD-WAN interface becomes disabled and port1 becomes the WAN interface
- C. Dead members require manual administrator access to bring them back alive
- D. Port2 might become alive when a single response is received from an SLA server

Answer: A

NEW QUESTION 27

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 31

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

- A. Application signatures
- B. Type of physical link connection
- C. URL categories
- D. Source and destination IP address

E. Internet service database (ISDB) address object

Answer: BDE

NEW QUESTION 35

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