

Fortinet

Exam Questions NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4



NEW QUESTION 1

Which two statements describe how IPsec phase 1 main mode is 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.

Answer: BC

NEW QUESTION 2

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(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 3

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?

- 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.

Answer: AC

NEW QUESTION 4

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 5

Refer to exhibits.

Edit Policy

Name	Internet Access
Incoming Interface	port3
Outgoing Interface	SD-WAN
Source	all
Destination	all
Schedule	always
Service	ALL
Action	ACCEPT
Inspection Mode	Flow-based
Firewall / Network Options	
NAT	Enabled
IP Pool Configuration	Use Outgoing Interface Address
Preserve Source Port	Disabled
Protocol Options	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 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 6

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 7

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 8

Refer to exhibits.

Exhibit A
Exhibit B

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

Exhibit A
Exhibit B

```
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.

Answer: BC

NEW QUESTION 9

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. The zero-touch provisioning process has completed internally, behind FortiGate.
- D. FortiGate has obtained a configuration from the platform template in FortiGate cloud.
- E. A factory reset performed on FortiGate.

Answer: AC

NEW QUESTION 10

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 11

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 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. 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 1ecause 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 12

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.

Answer: AC

NEW QUESTION 16

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 17

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 20

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