

Fortinet

Exam Questions NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4



NEW QUESTION 1

What is the Inkmtd process responsible for?

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

Answer: D

NEW QUESTION 2

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 3

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 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

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.

Answer: AB

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.D18912E1457D5D1DDCDBD40AB3BF70D5D
- 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

Status ↑ Enabled ↓ Disabled

Comments 0/255

If Traffic Matches:

Source ✕

+

Destination ✕

+

Schedule

Service ✕

+

Application i

+

URL Category ✕

+

Then:

Action Apply Shaper Assign Shaping Class ID

Outgoing interface ✕

+

Shared shaper

Reverse shaper

Per-IP shaper

Exhibit B.

Exhibit A
Exhibit B

Edit Policy

Name i	Dailymotion_traffic
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
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 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.

```

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

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		

```

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), health-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 10

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.

Answer: BD

NEW QUESTION 11

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 12

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 13

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 15

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

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 18

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 23

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 FomGate 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.

Answer: A

NEW QUESTION 24

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 25

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