

## NSE7\_SDW-7.2 Dumps

### Fortinet NSE 7 - SD-WAN 7.2

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### NEW QUESTION 1

Which two statements about SD-WAN central management are true? (Choose two.)

- A. It does not allow you to monitor the status of SD-WAN members.
- B. It is enabled or disabled on a per-ADOM basis.
- C. It is enabled by default.
- D. It uses templates to configure SD-WAN on managed devices.

**Answer:** BD

### NEW QUESTION 2

What does enabling the exchange-interface-ip setting enable FortiGate devices to exchange?

- A. The gateway address of their IPsec interfaces
- B. The tunnel ID of their IPsec interfaces
- C. The IP address of their IPsec interfaces
- D. The name of their IPsec interfaces

**Answer:** C

### NEW QUESTION 3

Refer to the exhibits.

Exhibit A

Network Properties	
Service	Critical-DIA
Identity	
Device ID	FGVM01TM22000077
Device Name	branch1_fgt
Type	
Sub Type	sdwan
Type	event
Alerts	
Level	notice
General	
Log Description	SDWAN status
Log ID	0113022923
Message	Service prioritized by performance metric will be redirected in sequence order.
Sequence Number	2,1
Virtual Domain	root
Others	
Date/Time	23:57:29
Destination End User ID	3
Destination Endpoint ID	3
Device Time	2022-03-04 14:57:27
Event Time	1646434647595788893
Event Type	Service
Metric	latency
Service ID	1
Time Stamp	2022-03-04 23:57:29
Time Zone	-0800
UEBA Endpoint ID	3
UEBA User ID	3
logver	700030237

Exhibit B

```
branch1_fgt # diagnose sys sdwan member
Member(1): interface: port1, flags=0x0 , gateway: 192.2.0.2, priority: 0 1024, weight: 0
Member(2): interface: port2, flags=0x0 , gateway: 192.2.0.10, priority: 0 1024, weight: 0

config service
  edit 1
    set name "Critical-DIA"
    set mode priority
    set src "LAN-net"
    set internet-service enable
    set internet-service-app-ctrl 16354 41468 16920
    set health-check "Level3_DNS"
    set priority-members 1 2
  next
end
```

Exhibit A shows an SD-WAN event log and exhibit B shows the member status and the SD-WAN rule configuration. Based on the exhibits, which two statements are correct? (Choose two.)

- A. FortiGate updated the outgoing interface list on the rule so it prefers port2.
- B. Port2 has the highest member priority.
- C. Port2 has a lower latency than port1.
- D. SD-WAN rule ID 1 is set to lowest cost (SLA) mode.

**Answer:** AC

### NEW QUESTION 4

Refer to the exhibit.

```
config system sdwan
  set status enable
  set load-balance source-dest-ip-based
  config zone
    edit "virtual-wan-link"
    next
    edit "SASE"
    next
    edit "underlay"
    next
  end
  config members
    edit 1
      set interface "port1"
      set zone "underlay"
      set gateway 192.2.0.2
    next
    edit 2
      set interface "port2"
      set zone "underlay"
      set gateway 192.2.0.10
    next
  end
  ...
end
```

Which algorithm does SD-WAN use to distribute traffic that does not match any of the SD- WAN rules?

- A. All traffic from a source IP to a destination IP is sent to the same interface.
- B. All traffic from a source IP is sent to the same interface.
- C. All traffic from a source IP is sent to the most used interface.
- D. All traffic from a source IP to a destination IP is sent to the least used interface.

**Answer:** A

**Explanation:**

Study Guide 7.2, page 176.

#### NEW QUESTION 5

Which three matching traffic criteria are available in SD-WAN rules? (Choose three.)

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

**Answer:** BCE

#### NEW QUESTION 6

Which two settings can you configure to speed up routing convergence in BGP? (Choose two.)

- A. update-source
- B. set-route-tag
- C. holdtime-timer
- D. link-down-failover

**Answer:** CD

#### NEW QUESTION 7

Which best describes the SD-WAN traffic shaping mode that bases itself on a percentage of available bandwidth?

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

**Answer:** A

**Explanation:**

Interface-based shaping goes further, enabling traffic controls based on percentage of the interface bandwidth.

#### NEW QUESTION 8

Refer to the exhibit.

```
# diagnose sys session list

session info: proto=6 proto_state=01 duration=39 expire=3593 timeout=3600 flags=00000000
socktype=0 sockport=0 av_idx=0 use=4
state=may dirty npu
origin->sink: org pre->post, reply pre->post dev=7->5/5->7 gw=10.10.10.1/10.9.31.160
hook=pre dir=org act=noop 10.9.31.160:7932->10.0.1.7:22(0.0.0.0:0)
hook=post dir=reply act=noop 10.0.1.7:22->10.9.31.160:7932(0.0.0.0:0)
pos/(before,after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00045e02 tos=ff/ff app_list=0 app=0 url_cat=0
sdwan_mbr_seq=1 sdwan_service_id=1
rpdn_link_id=80000000 rpdn_svc_id=0 ngfwid=n/a
npu_state=0x4000c00
npu info: flag=0x81/0x81, offload=8/8, ips_offload=0/0, epid=64/76, ipid=76/64,
vlan=0x0000/0x0000
vlifid=76/64, vtag_in=0x0000/0x0000 in_npu=1/1, out_npu=1/1, fwd_en=0/0, qid=2/2
reflect info 0:
dev=7->6/6->7
npu_state=0x4000800
npu info: flag=0x00/0x81, offload=0/8, ips_offload=0/0, epid=0/76, ipid=0/65, vlan=0x0000/0x0000
vlifid=0/65, vtag_in=0x0000/0x0000 in_npu=0/1, out_npu=0/1, fwd_en=0/0, qid=0/2
total reflect session num: 1
total session 1

# diagnose netlink interface list

if=port1 family=00 type=1 index=5 mtu=1500 link=0 master=0
if=port2 family=00 type=1 index=6 mtu=1500 link=0 master=0
if=port3 family=00 type=1 index=7 mtu=1500 link=0 master=0
```

The exhibit shows the details of a session and the index numbers of some relevant interfaces on a FortiGate appliance that supports hardware offloading. Based on the information shown in the exhibits, which two statements about the session are true? (Choose two.)

- A. The reply direction of the asymmetric traffic flows from port2 to port3.
- B. The auxiliary session can be offloaded to hardware.
- C. The original direction of the symmetric traffic flows from port3 to port2.
- D. The main session cannot be offloaded to hardware.

**Answer:** AB

#### NEW QUESTION 9

Which statement about using BGP for ADVPN is true?

- A. You must use BGP to route traffic for both overlay and underlay links.
- B. You must configure AS path prepending.
- C. You must configure BGP communities.
- D. IBGP is preferred over EBGp, because IBGP preserves next hop information.

**Answer:** D

#### Explanation:

ADVPN is a technology that allows dynamic creation of IPsec tunnels between branch sites without requiring pre-configured policies or keys. BGP is a routing protocol that can be used to exchange routes between ADVPN peers. IBGP is a type of BGP that runs between routers in the same autonomous system (AS), while EBGp is a type of BGP that runs between routers in different ASes. IBGP is preferred over EBGp for ADVPN, because IBGP preserves the next hop information of the routes, which is needed to establish the IPsec tunnels. EBGp changes the next hop information to the EBGp peer address, which may not be reachable by the ADVPN peers. Therefore, using IBGP for ADVPN avoids the need to configure additional static routes or redistribute routes between BGP and another routing protocol. References = ADVPN with BGP as the routing protocol, ADVPN, SD-WAN self-healing with BGP, Technical Tip: ADVPN with BGP as the routing protocol

The statement that IBGP is preferred over EBGp for ADVPN because IBGP preserves next hop information (D) is true. In a typical ADVPN deployment, it's beneficial to maintain next hop information across the network to ensure proper routing and optimal path selection. References: This understanding comes from my knowledge of Fortinet's SD-WAN and ADVPN configurations, where BGP's behavior in terms of next hop preservation is a key consideration.

#### NEW QUESTION 10

Which two performance SLA protocols enable you to verify that the server response contains a specific value? (Choose two.)

- A. http
- B. icmp
- C. twamp
- D. dns

**Answer:** AD

#### Explanation:

Performance SLA (Service Level Agreement) protocols are used in SD-WAN to monitor the quality and performance of various network services. The two protocols that specifically allow for verifying a specific value in the server response are:

? HTTP (Hypertext Transfer Protocol): HTTP is the foundation of data communication on the World Wide Web. It allows for fetching resources, such as HTML documents. You can configure an HTTP performance SLA to send specific requests (e.g., GET or POST) and then check if the response body contains a particular string or value. This is useful for validating web server functionality and content delivery.

? DNS (Domain Name System): DNS is responsible for translating domain names into IP addresses. A DNS performance SLA can be set up to query a specific domain and verify that the returned IP address or other DNS record values match what is expected. This helps ensure proper name resolution and accessibility of resources.

#### NEW QUESTION 10

Which two statements about SLA targets and SD-WAN rules are true? (Choose two.)

- A. When configuring an SD-WAN rule, you can select multiple SLA targets of the same performance SLA.
- B. SD-WAN rules use SLA targets to check if the preferred members meet the SLA requirements.
- C. SLA targets are used only by SD-WAN rules that are configured with Lowest Cost (SLA) or Maximize Bandwidth (SLA) as strategy.
- D. Member metrics are measured only if an SLA target is configured.

**Answer:** BD

**NEW QUESTION 15**

Which diagnostic command can you use to show the configured SD-WAN zones and their assigned members?

- A. diagnose sys sdwan zone
- B. diagnose sys sdwan service
- C. diagnose sys sdwan member
- D. diagnose sys sdwan interface

**Answer:** C

**NEW QUESTION 17**

What are two benefits of using the Internet service database (ISDB) in an SD-WAN rule? (Choose two.)

- A. The ISDB is dynamically updated and reduces administrative overhead.
- B. The ISDB requires application control to maintain signatures and perform load balancing.
- C. The ISDB applies rules to traffic from specific sources, based on application type.
- D. The ISDB contains the IP addresses and port ranges of well-known internet services.

**Answer:** AD

**NEW QUESTION 18**

Refer to the exhibit.

The screenshot shows the 'Edit Performance SLA' configuration page in FortiGate. The configuration is for an SLA named 'VPN\_HTTP'. The IP Version is set to 'IPv4'. The Probe Mode is 'Prefer Passive'. The Protocol is 'HTTP'. The Server is '10.10.7'. The Port is '0'. The Participants are 'T\_INET\_0\_0', 'T\_INET\_1\_0', and 'T\_MPLS\_0' (3 Entries Selected). The 'http-get' test is configured with a path of '/'. The 'http-match' test is configured with a status of 'successfully'. The 'Enable Probe Packets' checkbox is checked.

Based on the exhibit, which two statements are correct about the health of the selected members? (Choose two.)

- A. After FortiGate switches to active mode, FortiGate never fails back to passive monitoring.
- B. During passive monitoring, FortiGate can't detect dead members.
- C. FortiGate can offload the traffic that is subject to passive monitoring to hardware.
- D. FortiGate passively monitors the member if TCP traffic is passing through the member.

**Answer:** BD

**NEW 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.

**Answer:** AC

**NEW QUESTION 22**

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. Three packets are exchanged between an initiator and a responder instead of six packets.
- D. The use of Diffie Hellman keys is limited by the responder and needs initiator acceptance.

**Answer:** AC



**NEW QUESTION 24**  
Refer to the exhibits. Exhibit A -

Edit Performance SLA

Name

Level3\_DNS

IP Version

IPv4

IPv6

Probe Mode

Active

Passive

Prefer Passive

Protocol

Ping

TCP ECHO

UDP ECHO

HTTP

TWAMP

Server

4.2.2.1

4.2.2.2

Participants

All SD-WAN Members

Specify

port1

port2

2 Entries

Enable Probe Packets

SLA Targets

+ Add Target

Link Status

Interval

500

Milliseconds

Failure Before Inactive

3

(max 3600)

Restore Link After

2

(max 3600)

Action When Inactive

Update Static Route

Cascade Interfaces

Exhibit B -

```
branch1_fgt # diagnose sys sdwan member | grep port
Member(1): interface: port1, flags=0x0 , gateway: 192.2.0.2, priority: 0 1024, weight: 0
Member(2): interface: port2, flags=0x0 , gateway: 192.2.0.10, priority: 0 1024, weight: 0

branch1_fgt # get router info routing-table all | grep port
S* 0.0.0.0/0 [1/0] via 192.2.0.2, port1
   [1/0] via 192.2.0.10, port2
S 8.8.8.8/32 [10/0] via 192.2.0.11, port2
C 10.0.1.0/24 is directly connected, port5
S 172.16.0.0/16 [10/0] via 172.16.0.2, port4
C 172.16.0.0/29 is directly connected, port4
C 192.2.0.0/29 is directly connected, port1
C 192.2.0.8/29 is directly connected, port2
C 192.168.0.0/24 is directly connected, port10

branch1_fgt # diagnose sys sdwan health-check status Level3_DNS
Health Check(Level3_DNS):
Seq(1 port1): state(alive), packet-loss(0.000%) latency(1.919), jitter(0.137), bandwidth-
up(10238), bandwidth-dw(10238), bandwidth-bi(20476) sla_map=0x0
Seq(2 port2): state(alive), packet-loss(0.000%) latency(1.509), jitter(0.101), bandwidth-
up(10238), bandwidth-dw(10238), bandwidth-bi(20476) sla_map=0x0
```

Exhibit A shows the SD-WAN performance SLA and exhibit B shows the SD-WAN member status, the routing table, and the performance SLA status. If port2 is detected dead by FortiGate, what is the expected behavior?

- A. Port2 becomes alive after three successful probes are detected.
- B. FortiGate removes all static routes for port2.
- C. The administrator manually restores the static routes for port2, if port2 becomes alive.
- D. Host 8.8.8.8 is reachable through port1 and port2.

Answer: B

**Explanation:**

This is due to Update static route is enable which removes the static route entry referencing the interface if the interface is dead

**NEW QUESTION 27**

Refer to the exhibit.

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Two hub-and-spoke groups are connected through a site-to-site IPsec VPN between Hub 1 and Hub 2.

Which two configuration settings are required for Toronto and London spokes to establish an ADVPN shortcut? (Choose two.)

- A. On the hubs, auto-discovery-sender must be enabled on the IPsec VPNs to spokes.
- B. On the spokes, auto-discovery-receiver must be enabled on the IPsec VPN to the hub.
- C. auto-discovery-forwarder must be enabled on all IPsec VPNs.
- D. On the hubs, net-device must be enabled on all IPsec VPNs.

**Answer:** AB

#### NEW QUESTION 28

What are two benefits of choosing packet duplication over FEC for data loss correction on noisy links? (Choose two.)

- A. Packet duplication can leverage multiple IPsec overlays for sending additional data.
- B. Packet duplication does not require a route to the destination.
- C. Packet duplication supports hardware offloading.
- D. Packet duplication uses smaller parity packets which results in less bandwidth consumption.

**Answer:** AC

#### NEW QUESTION 31

Which two interfaces are considered overlay links? (Choose two.)

- A. LAG
- B. IPsec
- C. Physical
- D. GRE

**Answer:** BD

#### NEW QUESTION 33

Which are three key routing principles in SD-WAN? (Choose three.)

- A. FortiGate performs route lookups for new sessions only.
- B. Regular policy routes have precedence over SD-WAN rules.
- C. SD-WAN rules have precedence over ISDB routes.
- D. By default, SD-WAN members are skipped if they do not have a valid route to the destination.
- E. By default, SD-WAN rules are skipped if the best route to the destination is not an SD-WAN member.

**Answer:** BDE

#### Explanation:

Study Guide 7.2, pages 125, 129, 151

#### NEW QUESTION 38

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