



Fortinet

Exam Questions NSE7_SDW-7.2

Fortinet NSE 7 - SD-WAN 7.2

NEW QUESTION 1

Refer to the exhibit.

```
branch1_fgt # diagnose firewall proute list
list route policy info(vf=root):

id=1 dscp_tag=0xff 0xff flags=0x0 tos=0x00 tos_mask=0x00 protocol=17 sport=0-65535 iif=7
dport=53 path(1) oif=3(port1)
source wildcard(1): 0.0.0.0/0.0.0.0
destination wildcard(1): 4.2.2.1/255.255.255.255
hit_count=0 last_used=2022-03-25 10:53:26

id=2131165185(0x7f070001) vwl_service=1(Critical-DIA) vwl_mbr_seq=1 2 dscp_tag=0xff 0xff
flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535 path(2)
oif=3(port1) oif=4(port2)
source(1): 10.0.1.0-10.0.1.255
destination wildcard(1): 0.0.0.0/0.0.0.0
internet service(3): GoToMeeting(4294836966,0,0,0, 16354)
Microsoft.Office.365.Portals(4294837474,0,0,0, 41468) Salesforce(4294837976,0,0,0, 16920)
hit_count=0 last_used=2022-03-24 12:18:16

id=2131165186(0x7f070002) vwl_service=2(Non-Critical-DIA) vwl_mbr_seq=2 dscp_tag=0xff
0xff flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535
path(1) oif=4(port2)
source(1): 10.0.1.0-10.0.1.255
destination wildcard(1): 0.0.0.0/0.0.0.0
internet service(2): Facebook(4294836806,0,0,0, 15832) Twitter(4294838278,0,0,0, 16001)
hit_count=0 last_used=2022-03-24 12:18:16

id=2131165187(0x7f070003) vwl_service=3(all_rules) vwl_mbr_seq=1 dscp_tag=0xff 0xff
flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535 path(1)
oif=3(port1)
source(1): 0.0.0.0-255.255.255.255
destination(1): 0.0.0.0-255.255.255.255
hit_count=0 last used=2022-03-25 10:58:12
```

Based on the output, which two conclusions are true? (Choose two.)

- A. There is more than one SD-WAN rule configured.
- B. The SD-WAN rules take precedence over regular policy routes.
- C. The all_rules rule represents the implicit SD-WAN rule.
- D. Entry 1(id=1) is a regular policy route.

Answer: AD

NEW QUESTION 2

What are two reasons for 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: AE

NEW QUESTION 3

Which action fortigate performs on the traffic that is subject to a per-IP traffic shaper of 10 Mbps?

- A. FortiGate applies traffic shaping to the original traffic direction only.
- B. FortiGate shares 10 Mbps of bandwidth equally among all source IP addresses.
- C. RIAS
- D. Fortigate limits each source ip address to a maximum bandwidth of 10 Mbps.
- E. FortiGate guarantees a minimum of 10 Mbps of bandwidth to each source IP address.

Answer: C

NEW QUESTION 4

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 5

Exhibit.

```
# diagnose sys sdwan health-check status

Health Check(Level3_DNS):
Seq(1 port1): state(alive), packet-loss(0.000%) latency(22.129), jitter(0.201), mos(4.393),
bandwidth-up(10235), bandwidth-dw(10235), bandwidth-bi(20470) sla_map=0x0
Seq(2 port2): state(alive), packet-loss(7.000%) latency(42.394), jitter(0.912), mos(4.378),
bandwidth-up(10236), bandwidth-dw(10237), bandwidth-bi(20473) sla_map=0x0
Health Check(VPN_PING):
Seq(5 T_MPLS): state(alive), packet-loss(0.000%) latency(131.336), jitter(0.199), mos(4.330),
bandwidth-up(99999999), bandwidth-dw(99999999), bandwidth-bi(199999998) sla_map=0x2
Seq(4 T_INET_1): state(alive), packet-loss(11.000%) latency(1.465), jitter(0.226), mos(4.398),
bandwidth-up(10239), bandwidth-dw(10239), bandwidth-bi(20478) sla_map=0x1
Seq(3 T_INET_0): state(alive), packet-loss(0.000%) latency(1.440), jitter(0.245), mos(4.403),
bandwidth-up(10239), bandwidth-dw(10239), bandwidth-bi(20478) sla_map=0x3
```

The exhibit shows the output of the command diagnose sys sdwan health-check status collected on a FortiGate device. Which two statements are correct about the health check status on this FortiGate device? (Choose two.)

- A. The health-check VPN_PING orders the members according to the lowest jitter.
- B. The interface T_INET_1 missed one SLA target.
- C. There is no SLA criteria configured for the health-check Level3_DNS.
- D. The interface T_INET_0 missed three SLA targets.

Answer: AC

Explanation:

According to the FortiGate / FortiOS 6.4.2 Administration Guide, the health check status command displays the status of the health check probes for each SD-WAN member interface. The output includes the following information:

- ? state: the current state of the interface, either alive or dead
 - ? packet-loss: the percentage of packets lost during the health check
 - ? latency: the average round-trip time in milliseconds
 - ? jitter: the variation in latency
 - ? mos: the mean opinion score, a measure of voice quality
 - ? bandwidth: the available bandwidth in kilobits per second for each direction (up, down, bi)
 - ? sla map: a bitmap that indicates which SLA criteria are met or failed
- Based on the exhibit, the following statements are correct:

- ? The health-check VPN_PING orders the members according to the lowest jitter. This means that the interface with the lowest jitter value is listed first, followed by the next lowest, and so on1. In the exhibit, the order is T_MPLS, T_INET_1, and T_INET_0.
- ? There is no SLA criteria configured for the health-check Level3_DNS. This means that the health check does not use any SLA parameters to determine the state of the interface2. In the exhibit, the sla map value is 0x0 for both port1 and port2, indicating that no SLA criteria are applied.

NEW QUESTION 6

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 7

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
logger	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 8

Refer to the exhibits.

Exhibit A

```
branch1_fgt # diagnose sys sdwan service 1

Service(1): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Gen(8), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
Service disabled caused by no destination.
Members(2):
  1: Seq_num(4 T_INET_1_0), alive, selected
  2: Seq_num(5 T_MPLS_0), alive, selected
Src address(1):
  10.0.1.0-10.0.1.255

branch1_fgt # get router info bgp community 65000:10
VRF 0 BGP table version is 3, local router ID is 10.0.1.1
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
               S Stale
Origin codes: i - IGP, e - EGP, ? - incomplete

   Network          Next Hop           Metric LocPrf Weight RouteTag Path
*>i10.1.0.0/24      10.202.1.254             0    100     0         1 i <-/1>
* i                 10.203.1.254             0    100     0         1 i <-/->

Total number of prefixes 1
```

Exhibit B

```
branch1_tgt (1) # show
config service
  edit 1
    set name "Corp"
    set route-tag 10
    set src "LAN-net"
    set priority-zone "overlay"
  next
end

config router bgp
...
  config neighbor
    edit "10.202.1.254"
      set soft-reconfiguration enable
      set interface "T_INET_1_0"
      set remote-as 65000
      set route-map-in "dcl-lan-rm"
      set update-source "T_INET_1_0"
    next
    edit "10.203.1.254"
      set soft-reconfiguration enable
      set interface "T_MPLS_0"
      set remote-as 65000
      set route-map-in "dcl-lan-rm"
      set update-source "T_MPLS_0"
    next
  end
...
config router route-map
  edit "dcl-lan-rm"
    config rule
      edit 1
        set match-community "dcl-lan-cl"
        set set-route-tag 1
      next
    end
  next
end
```

Exhibit A shows the SD-WAN rule status and the learned BGP routes with community 65000:10. Exhibit B shows the SD-WAN rule configuration, the BGP neighbor configuration, and the route map configuration. The administrator wants to steer corporate traffic using routes tags in the SD-WAN rule ID 1. However, the administrator observes that the corporate traffic does not match the SD-WAN rule ID 1. Based on the exhibits, which configuration change is required to fix issue?

- A. In the dcl-lab-rm route map configuration, set set-route-tag to 10.
- B. In SD-WAN rule ID 1, change the destination to use ISDB entries.
- C. In the BGP neighbor configuration, apply the route map dcl-lab-rm in the outbound direction.
- D. In the dcl-lab-rm route map configuration, unset match-community.

Answer: C

NEW QUESTION 9

What are two benefits of using forward error correction (FEC) in IPsec VPNs? (Choose two.)

- A. FEC supports hardware offloading.
- B. FEC improves reliability of noisy links.
- C. FEC transmits parity packets that can be used to reconstruct packet loss.
- D. FEC can leverage multiple IPsec tunnels for parity packets transmission.

Answer: BC

NEW QUESTION 10

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 10

Which diagnostic command can you use to show the member utilization statistics measured by performance SLAs for the last 10 minutes?

- A. diagnose sys sdwan sla-log
- B. diagnose ays sdwan health-check
- C. diagnose sys sdwan intf-sla-log
- D. diagnose sys sdwan log

Answer: A

NEW QUESTION 11

Refer to the exhibit.

Exhibit A

```
fgt # show vpn ipsec phase1-interface T_INET_1
config vpn ipsec phase1-interface
edit "T_INET_1"
set type dynamic
set interface "port2"
set ike-version 2
set keylife 28800
set peertype any
set net-device disable
set proposal aes128-sha256
set add-route disable
set auto-discovery-sender enable
set paksecret ENC MXtFGK0xLV+x4p3e9Xq2HGJoU+QOgg5YMqiXb2T73f2pSXS/
jv9oshWeQ1NEjOJEtuqqD8mAw7G22LTl3R3/ihAaAY4tvjveS+9CuTn00J2tuddoM9
uz4vaBTNbNrh3/EhbJytsCag==
next
end
```

Exhibit B

```
fgt # diag vpn tunnel list name T_INET_1_0
list ipsec tunnel by names in vd 0
-----
name=T_INET_1_0 ver=2 serial=a 100.64.1.9:0->192.2.0.9:0 tun_id=192.2.0.9 tun_id6=:10.0.0.10
dst_mtu=0 dpd-link=on weight=1
bound_if=4 lgwy=static/1 tun=intf mode=dial_inst/3 encaps=none/74408 options[122a8]=npu rgwy=chg
frag_rfc run_state=0 role=primary acc
ept_traffic=1 overlay_id=0
parent=T_INET_1 index=0
proxyid_num=1 child_num=0 refcnt=6 ilast=0 olast=42955943 ad=/0
stat: rxp=32 txp=0 rxb=1280 txb=0
dpd: mode=on-demand on=1 idle=20000ms retry=3 count=0 seqno=0
natt: mode=none draft=0 interval=0 remote_port=0
fec: egress=0 ingress=0
proxyid=T_INET_1_0 proto=0 sa=1 ref=2 serial=1
src: 0:0.0.0.0-255.255.255.255:0
dst: 0:10.0.1.0-10.0.1.255:0
SA: ref=3 options=20603 type=00 soft=0 mtu=1280 expire=1774/08 replaywin=2048
seqno=1 esn=0 replaywin_lastseq=00000021 qat=0 rekey=0 hash_search_len=1
life: type=01 bytes=0/0 timeout=1791/1800
dec: spi=7c176e24 esp=aes key=16 8547efb42d148c6692fb2af0d01ff12d
ah=shal key=20 f0d3ac8192d2e79fbbe29162f9ccf406flal61b5
enc: spi=809f9d49 esp=aes key=16 cb67f6d5f6a1f9fe5ab38b953dd4782f
ah=shal key=20 d0182dfe827a4785d9493d46e3907d49465391fb
dec:pkts/bytes=64/2560, enc:pkts/bytes=0/0
npu_flag=00 npu_rgwy=192.2.0.9 npu_lgwy=100.64.1.9 npu_selid=6 dec_npuid=0 enc_npuid=0
```

Which two statements about the IPsec VPN configuration and the status of the IPsec VPN tunnel are true? (Choose two.)

- A. FortiGate does not install IPsec static routes for remote protected networks in the routing tabl
- B. Most Voted
- C. The phase 1 configuration supports the network-overlay settin
- D. Most Voted
- E. FortiGate facilitated the negotiation of the T_INET_1_0_0 ADVPN shortcut over T_INET_1_0.
- F. Dead peer detection is disabled.

Answer: AC

NEW QUESTION 14

Refer to the exhibit.

```
config system interface
edit "port2"
set vdom "root"
set ip 192.2.0.9 255.255.255.248
set allowaccess ping
set type physical
set role wan
set snmp-index 2
set preserve-session-route enable
next
end
```

Based on the exhibit, which two actions does FortiGate perform on traffic passing through port2? (Choose two.)

- A. FortiGate does not change the routing information on existing sessions that use a valid gateway, after a route change.
- B. FortiGate performs routing lookups for new sessions only, after a route change.
- C. FortiGate always blocks all traffic, after a route change.
- D. FortiGate flushes all routing information from the session table, after a route change.

Answer: AB

NEW QUESTION 15

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 20

Refer to the exhibit.

```
config system settings
    set firewall-session-dirty check-new
end
```

Based on the exhibit, which two actions does FortiGate perform on sessions after a firewall policy change? (Choose two.)

- A. FortiGate flushes all sessions.
- B. FortiGate terminates the old sessions.
- C. FortiGate does not change existing sessions.
- D. FortiGate evaluates new sessions.

Answer: CD

Explanation:

FortiGate not to flag existing impacted session as dirty by setting firewall-session-dirty to check new. The results is that FortiGate evaluates only new session against the new firewall policy.

NEW QUESTION 25

Refer to the exhibit.

```
config firewall policy
    edit 1
        set anti-replay disable
    next
end
```

In a dual-hub hub-and-spoke SD-WAN deployment, which is a benefit of disabling the anti- replay setting on the hubs?

- A. It instructs the hub to disable the reordering of TCP packets on behalf of the receiver, to improve performance.
- B. It instructs the hub to disable TCP sequence number check, which is required for TCP sessions originated from spokes to fail over back and forth between the hubs.
- C. It instructs the hub to not check the ESP sequence numbers on IPsec traffic, to improve performance.
- D. It instructs the hub to skip content inspection on TCP traffic, to improve performance.

Answer: B

NEW QUESTION 28

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
rpd_b_link_id=80000000 rpd_b_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 29

Exhibit A –

#	Name	Type	Normalized Interface	Addressing Mode	IP/Netmask	Access
Physical (10)						
1	port1	Physical	port1	Manual	203.0.113.1/255.255.255.2	PING
2	port2	Physical	port2	Manual	203.0.113.9/255.255.255.2	PING
3	port3	Physical	port3	Manual	0.0.0.0/0.0.0.0	
4	port4	Physical	port4	Manual	172.16.0.9/255.255.255.24	PING
5	port5	Physical	port5	Manual	10.0.2.254/255.255.255.0	PING
6	port6	Physical	port6	Manual	0.0.0.0/0.0.0.0	
7	port7	Physical	port7	Manual	0.0.0.0/0.0.0.0	
8	port8	Physical	port8	Manual	0.0.0.0/0.0.0.0	
9	port9	Physical	port9	Manual	0.0.0.0/0.0.0.0	
10	port10	Physical	port10	Manual	192.168.0.32/255.255.255.	HTTPS, PING, SSH, HT
Aggregate (1)						
11	fortilink	Aggregate		Manual	169.254.1.1/255.255.255.0	PING, Security Fabric C
Tunnel (3)						
12	na1.root	Tunnel		Manual	0.0.0.0/0.0.0.0	
13	i2t.root	Tunnel		Manual	0.0.0.0/0.0.0.0	
14	ssl.root (SSL VPN interf	Tunnel		Manual	0.0.0.0/0.0.0.0	
EMAC VLAN (1)						
15	vt_lan_ts	EMAC VLAN		Manual	10.0.102.1/255.255.255.0	PING
SD-WAN Zone (2)						
16	virtual-wan-link	SD-WAN Zone				
17	SASE	SD-WAN Zone		SASE		

#	ID	Destination	Gateway	Interface	Distance	Priority	Status	Description
Static Route (2)								
1	1	0.0.0.0/0.0.0.0	203.0.113.2	port1	10	0	Enable	
2	2	0.0.0.0/0.0.0.0	203.0.113.10	port2	10	0	Enable	

Exhibit B –

#	Name	From	To	Source	Destination	Schedule	Service
1	Internet_Access	port5	port1	all	all	always	ALL
Implicit (2-2 / Total: 1)							
2	Implicit Deny	any	any	all	all	always	ALL

Exhibit A shows the system interface with the static routes and exhibit B shows the firewall policies on the managed FortiGate. Based on the FortiGate configuration shown in the exhibits, what issue might you encounter when creating an SD-WAN zone for port1 and port2?

- A. port1 is assigned a manual IP address.
- B. port1 is referenced in a firewall policy.
- C. port2 is referenced in a static route.
- D. port1 and port2 are not administratively down.

Answer: B

NEW QUESTION 30

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

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

Answer: AD

NEW QUESTION 32

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 37

Which two conclusions for traffic that matches the traffic shaper are true? (Choose two.)


```
# diagnose firewall shaper traffic-shaper list name VoIP_Shaper
name VoIP_Shaper
maximum-bandwidth 6250 KB/sec
guaranteed-bandwidth 2500 KB/sec
current-bandwidth 93 KB/sec
priority 2
overhead 0
tos ff
packets dropped 0
bytes dropped 0
```

- A. The traffic shaper drops packets if the bandwidth is less than 2500 KBps.
- B. The measured bandwidth is less than 100 KBps.
- C. The traffic shaper drops packets if the bandwidth exceeds 6250 KBps.
- D. The traffic shaper limits the bandwidth of each source IP to a maximum of 6250 KBps.

Answer: BC

NEW QUESTION 42

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 43

Which SD-WAN setting enables FortiGate to delay the recovery of ADVPN shortcuts?

- A. hold-down-time
- B. link-down-failover
- C. auto-discovery-shortcuts
- D. idle-timeout

Answer: A

NEW QUESTION 45

Refer to the exhibits. Exhibit A -

Edit Traffic Shaping Policy

IP Version

IPv4IPv6

Name

Limit_YouTube

Status

EnableDisable

Comments

If Traffic Matches:

Source Internet Service

Source Address

LAN-net

Source User

+

Source User Group

+

Destination Internet Service

Destination Address

all

Schedule

+

Service

ALL

Application

YouTube

Application Category

+

Application Group

+

URL Category

+

Type Of Service

0x00

Type Of Service Mask

0x00

Then:

Action

Apply ShaperAssign Group

Outgoing Interface

underlay

Shared Shaper

low-priority

Reverse Shaper

low-priority

Per-IP Shaper

+

Differentiated Services

Differentiated Services Reverse

Exhibit B -

Edit Firewall Policy

ID

1

Name

DIA

ZTNA

DisableFull ZTNAIP/MAC filtering

Incoming Interface

LAN

Outgoing Interface

underlay

Source Internet Service

IPv4 Source Address

LAN-net

IPv6 Source Address

+

Source User

+

Source User Group

+

FSSO Groups

+

Destination Internet Service

IPv4 Destination Address

all

IPv6 Destination Address

+

Service

ALL

Schedule

always

Action

DenyAcceptIPSEC

Inspection Mode

Flow-basedProxy-based

Firewall/Network Options

NAT

NATNAT46NAT64

IP Pool Configuration

Use Outgoing Interface AddressUse Dynamic IP Pool

Preserve Source Port

Protocol Options

default

Disclaimer Options

Display Disclaimer

Security Profiles

SSL/SSH Inspection

deep-inspection

Decrypted Traffic Mirror

+

Traffic Shaping Options

Shared Shaper

+

Reverse Shaper

+

Per-IP Shaper

+

Logging Options

Log Allowed Traffic

No LogLog Security EventsLog All Sessions

Capture Packets

Generate Logs when Session Starts

Exhibit A shows the traffic shaping policy and exhibit B shows the firewall policy. The administrator wants FortiGate to limit the bandwidth used by YouTube. When testing, the administrator determines that FortiGate does not apply traffic shaping on YouTube traffic. Based on the policies shown in the exhibits, what configuration change must be made so FortiGate performs traffic shaping on YouTube traffic?

- A. Destination internet service must be enabled on the traffic shaping policy.
- B. Application control must be enabled on the firewall policy.
- C. Web filtering must be enabled on the firewall policy.
- D. Individual SD-WAN members must be selected as the outgoing interface on the traffic shaping policy.

Answer: C

NEW QUESTION 46

What are two advantages of using an IPsec recommended template to configure an IPsec tunnel in an hub-and-spoke topology? (Choose two.)

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- A. It ensures consistent settings between phase1 and phase2.
- B. It guides the administrator to use Fortinet recommended settings.
- C. It automatically install IPsec tunnels to every spoke when they are added to the FortiManager ADOM.
- D. The VPN monitor tool provides additional statistics for tunnels defined with an IPsec recommended template.

Answer: AB

Explanation:

The use of an IPsec recommended template offers the advantage of ensuring consistent settings between phase1 and phase2 (A), which is essential for the stability and security of the IPsec tunnel. Additionally, it guides the administrator to use Fortinet's recommended settings (B), which are designed to optimize performance and security based on Fortinet's best practices. References: The benefits of using IPsec recommended templates are outlined in Fortinet's SD-WAN documentation, which emphasizes the importance of consistency and adherence to recommended configurations.

NEW QUESTION 49

Refer to the exhibits.

Exhibit A

```
config system sdwan
  config health-check
    edit "Passive"
      set detect-mode passive
      set members 3 4
    next
  end
end

config system sdwan
  config service
    edit 1
      set name "Facebook-YouTube"
      set src "all"
      set internet-service enable
      set internet-service-app-ctrl 15832 31077
      set health-check "Passive"
      set priority-member 3 4
      set passive-measurement enable
    next
  end
end

branch1_fgt # get application name status | grep "id: 15832" -B1
app-name: "Facebook"
id: 15832

branch1_fgt # get application name status | grep "id: 31077" -B1
app-name: "YouTube"
id: 31077
```

Exhibit B

```
config firewall policy
  edit 1
    set name "DIA"
    set uuid b973e4ec-5f90-51ec-cadb-017c830d9418
    set srcintf "port5"
    set dstintf "underlay"
    set action accept
    set srcaddr "LAN-net"
    set dstaddr "all"
    set schedule "always"
    set service "ALL"
    set passive-wan-health-measurement enable
    set utm-status enable
    set ssl-ssh-profile "certificate-inspection"
    set application-list "default"
    set logtraffic all
    set auto-asic-offload disable
    set nat enable
  next
end

branch1_fgt # diagnose sys sdwan zone | grep underlay -A1
Zone underlay index=3
  members(2): 3(port1) 4(port2)
```

Exhibit A shows the SD-WAN performance SLA configuration, the SD-WAN rule configuration, and the application IDs of Facebook and YouTube. Exhibit B shows the firewall policy configuration and the underlay zone status.

Based on the exhibits, which two statements are correct about the health and performance of port1 and port2? (Choose two.)

- A. The performance is an average of the metrics measured for Facebook and YouTube traffic passing through the member.
- B. FortiGate is unable to measure jitter and packet loss on Facebook and YouTube traffic.
- C. FortiGate identifies the member as dead when there is no Facebook and YouTube traffic passing through the member.
- D. Non-TCP Facebook and YouTube traffic are not used for performance measurement.

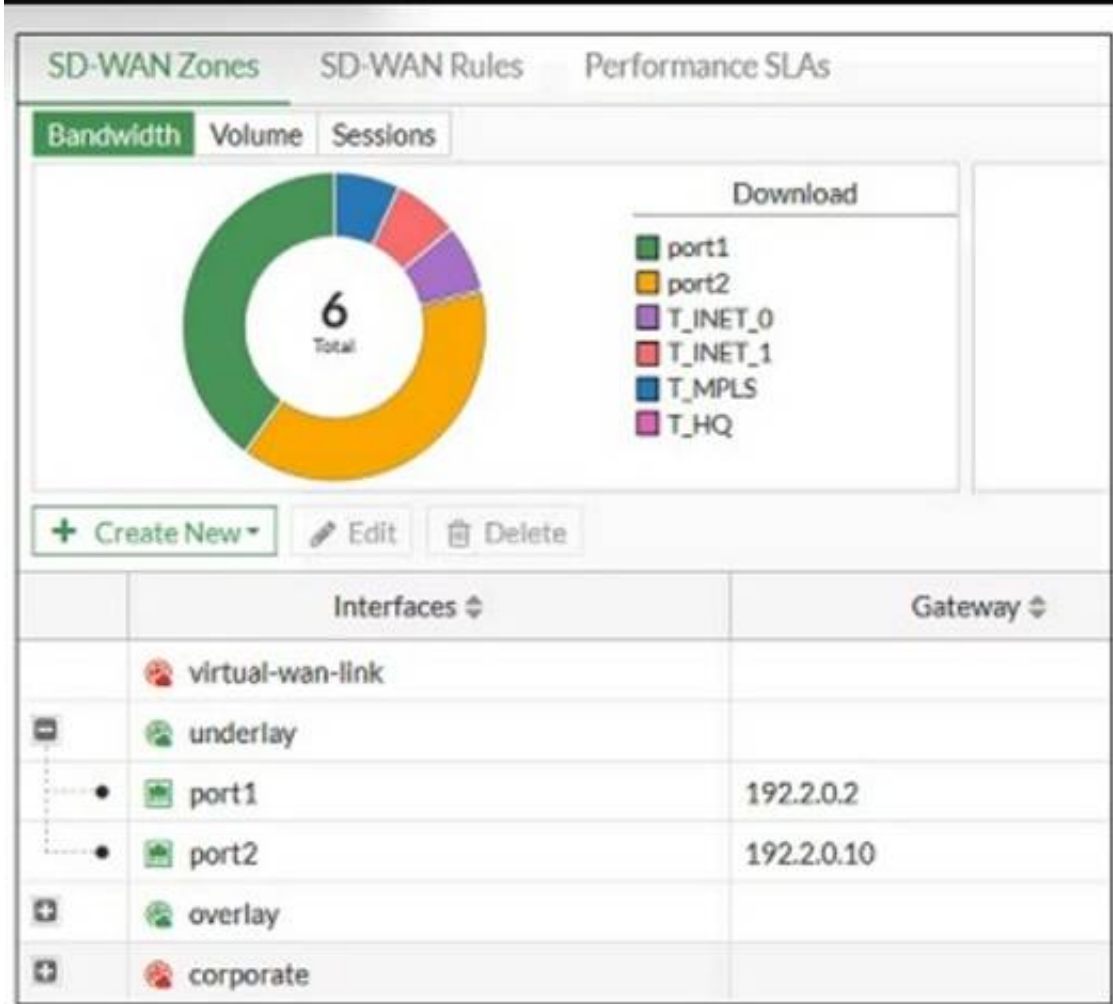
Answer: AD

Explanation:

Study Guide 7.2, pages 103 - 104. Another comment said "because without using application Control on the firewall policy, SDWAN can't work" but there is a app control "default" defined on config.

NEW QUESTION 51

Refer to the exhibit, which shows an SD-WAN zone configuration on the FortiGate GUI.



Based on the exhibit, which statement is true?

- A. You can delete the virtual-wan-link zone because it contains no member.
- B. The corporate zone contains no member.
- C. You can move port1 from the underlay zone to the overlay zone.
- D. The overlay zone contains four members.

Answer: B

Explanation:

Based on the exhibit, the "corporate" zone contains no member (B). In the FortiGate GUI, zones without members do not display any interfaces listed under them, which is the case for the corporate zone in the exhibit. References: This conclusion is based on standard Fortinet GUI interpretation and the operational logic of SD-WAN zones as per Fortinet's guidelines and user interface standards.

NEW QUESTION 54

Refer to the exhibits. Exhibit A -

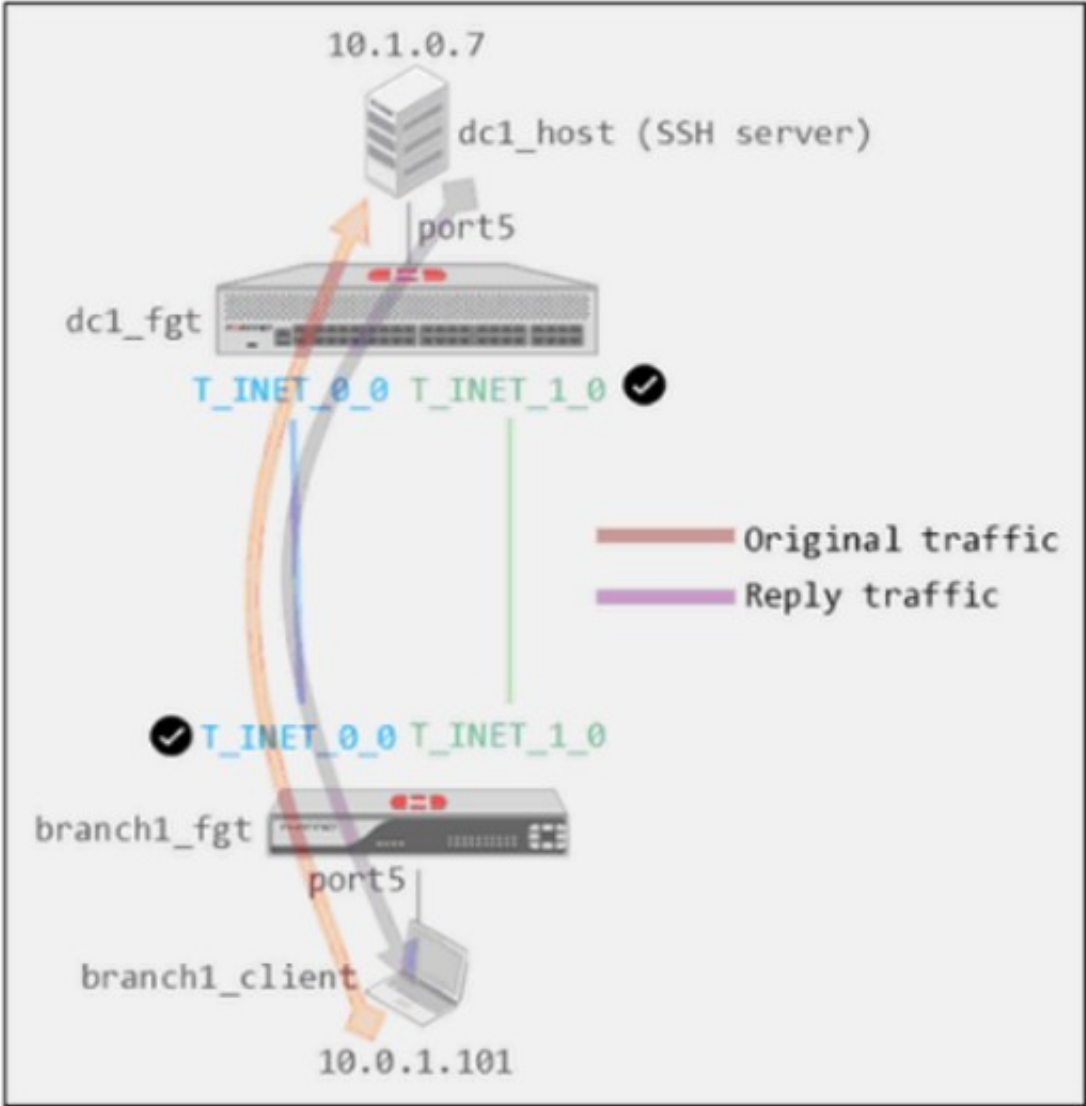


Exhibit B -

```
dc1_fgt # show system global
config system global
    set admin-https-redirect disable
    set admintimeout 480
    set alias "FortiGate-VM64"
    set hostname "dc1_fgt"
    set timezone 04
end

dc1_fgt # show system settings
config system settings
    set tcp-session-without-syn enable
    set allow-subnet-overlap enable
    set gui-allow-unnamed-policy enable
    set gui-multiple-interface-policy enable
end
```

Exhibit A shows a site-to-site topology between two FortiGate devices: branch1_fgt and dc1_fgt. Exhibit B shows the system global and system settings configuration on dc1_fgt. When branch1_client establishes a connection to dc1_host, the administrator observes that, on dc1_fgt, the reply traffic is routed over T_INET_0_0, even though T_INET_1_0 is the preferred member in the matching SD-WAN rule. Based on the information shown in the exhibits, what configuration change must be made on dc1_fgt so dc1_fgt routes the reply traffic over T_INET_1_0?

- A. Enable auxiliary-session under config system settings.
- B. Disable tp-session-without-syn under config system settings.
- C. Enable snat-route-change under config system global.
- D. Disable allow-subnet-overlap under config system settings.

Answer: A

NEW QUESTION 56
Refer to the exhibit.

```
config vpn ipsec phase1-interface
    edit "T_INET_0_0"
        set type dynamic
        set interface "port1"
        set keylife 28800
        set peertype any
        set net-device disable
        set proposal aes128-sha256
        set add-route enable
        set psksecret ENC
        2v9n4Urfk0W4jj8vWI+KywxBG42DT7jWHKd8YaL8j4+pRpY0x/N7mSgc7VL0BW2ZHQUXWJ6zvFxNKktiPYntA8aP
        i6ly7gDx2lP/OfKexTQQJzgcGRYzLM8eFTOnK7K6AuX0bFDCpBBhEIdf+03CYBMLwkFZmdU6RsT+qvyybblVX+Ioy
        HK5EXakpmz5RiltELqZ9Gg==
        next
    end
```

Which configuration change is required if the responder FortiGate uses a dynamic routing protocol to exchange routes over IPsec?

- A. type must be set to static.

- B. mode-cfg must be enabled.
- C. exchange-interface-ip must be enabled.
- D. add-route must be disabled.

Answer: D

NEW QUESTION 61

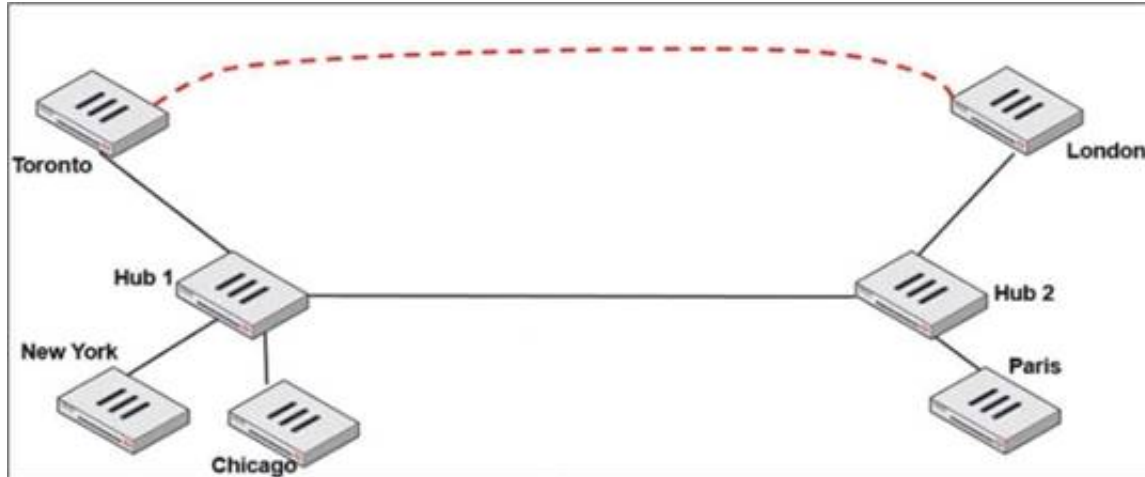
What is the route-tag setting in an SD-WAN rule used for?

- A. To indicate the routes for health check probes.
- B. To indicate the destination of a rule based on learned BGP prefixes.
- C. To indicate the routes that can be used for routing SD-WAN traffic.
- D. To indicate the members that can be used to route SD-WAN traffic.

Answer: B

NEW QUESTION 62

Refer to the exhibit.



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 64

What are two advantages of using an IPsec recommended template to configure an IPsec tunnel in a hub-and-spoke topology? (Choose two.)

- A. VPN monitor tool provides additional statistics for tunnels defined with an IPsec recommended template.
- B. FortiManager automatically installs IPsec tunnels to every spoke when they are added to the FortiManager ADOM.
- C. IPsec recommended template guides the administrator to use Fortinet recommended settings.
- D. IPsec recommended template ensures consistent settings between phase1 and phase2

Answer: BC

Explanation:

According to the SD-WAN 7.2 Study Guide, IPsec recommended templates are designed to simplify the configuration of IPsec tunnels in a hub-and-spoke topology. They have the following advantages:

? FortiManager automatically installs IPsec tunnels to every spoke when they are added to the FortiManager ADOM. This reduces the manual effort and ensures that all spokes have the same configuration.

? IPsec recommended template guides the administrator to use Fortinet recommended settings, such as encryption algorithms, key lifetimes, and dead peer detection. This ensures optimal performance and security of the IPsec tunnels.

NEW QUESTION 69

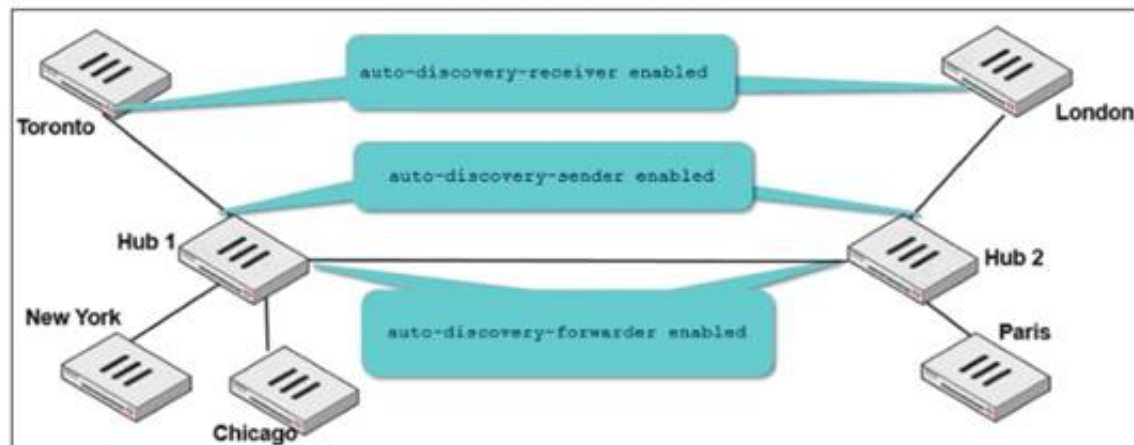
Which two interfaces are considered overlay links? (Choose two.)

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

Answer: BD

NEW QUESTION 72

Two hub-and-spoke groups are connected through a site-to-site IPsec VPN between Hub 1 and Hub 2. The administrator configured ADVPN on both hub-and-spoke groups.\



Which two outcomes are expected if a user in Toronto sends traffic to London? (Choose two.)

- A. London generates an IKE information message that contains the Toronto public IP address.
- B. Traffic from Toronto to London triggers the dynamic negotiation of a direct site-to-site VPN.
- C. Toronto needs to establish a site-to-site tunnel with Hub 2 to bypass Hub 1.
- D. The first packets from Toronto to London are routed through Hub 1 then to Hub 2.

Answer: BD

NEW QUESTION 74

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