

## Exam Questions NSE7\_SDW-7.0

Fortinet NSE 7 - SD-WAN 7.0

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**NEW QUESTION 1**

Exhibit A –

The screenshot shows two configuration panels. The top panel displays system interfaces with columns for #, Name, Type, Normalized Interface, Addressing Mode, IP/Netmask, and Access. The bottom panel displays static routes with columns for #, ID, Destination, Gateway, Interface, Distance, Priority, Status, and Description.

#	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	na.root	Tunnel		Manual	0.0.0.0/0.0.0.0	
13	l2t.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	vl_lan_b3	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 –

The screenshot shows a table of firewall policies with columns for #, Name, From, To, Source, Destination, Schedule, and Service.

#	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 2**

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

- A. The objects are saved in the ADOM common object database.
- B. It does not support meta fields.
- C. It uses templates to configure SD-WAN on managed devices.
- D. It supports normalized interfaces for SD-WAN member configuration.

**Answer: AC**

**Explanation:**

Normalized interfaces are not supported for SD-WAN templates. You can create multiple SD-WAN zones and add interface members to the SD-WAN zones. You must bind the interface members by name to physical interfaces or VPN interfaces.  
<https://docs.fortinet.com/document/fortigate/7.0.0/sd-wan-new-features/794804/new-sd-wan-template>

**NEW QUESTION 3**

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

**NEW QUESTION 4**

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 5**

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
    Zv9n4Urfk0W4jj8vWI+KywxBG42DT7jWHKd8YaL8j4+pRpY0x/N7mSgc7VL0BW22HQUXWJ6zvFxnKktiPYntA8aP
    i6ly7gDx2lP/OfKexTQQJzgCGRYzLM8eFTOnK7K6AuX0bFDCpBBhEIdf+03CYBMLwkFZmdU6RsT+qvybb1VX+Ioy
    HK5EXakpmz5RiltELgZ9Gg==
  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

**Explanation:**

for using "non ike" routes (for example BGP/static and so on) you must do disable the add-route that inject automatically kernel route based on p2 selectors from the remote site from the SD-WAN\_7.2\_Study\_Guide page 236

**NEW QUESTION 6**

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 7**

Refer to the exhibits.

Exhibit A

**Edit Traffic Shaping Policy**

IP Version: IPv4 IPv6

Name: Limit\_YouTube

Status: Enable Disable

Comments: 0/255

**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 Shaper Assign Group

Outgoing Interface: underlay

Shared Shaper: low-priority

Reverse Shaper: low-priority

Per-IP Shaper: +

Differentiated Services:

Differentiated Services Reverse:

Exhibit B

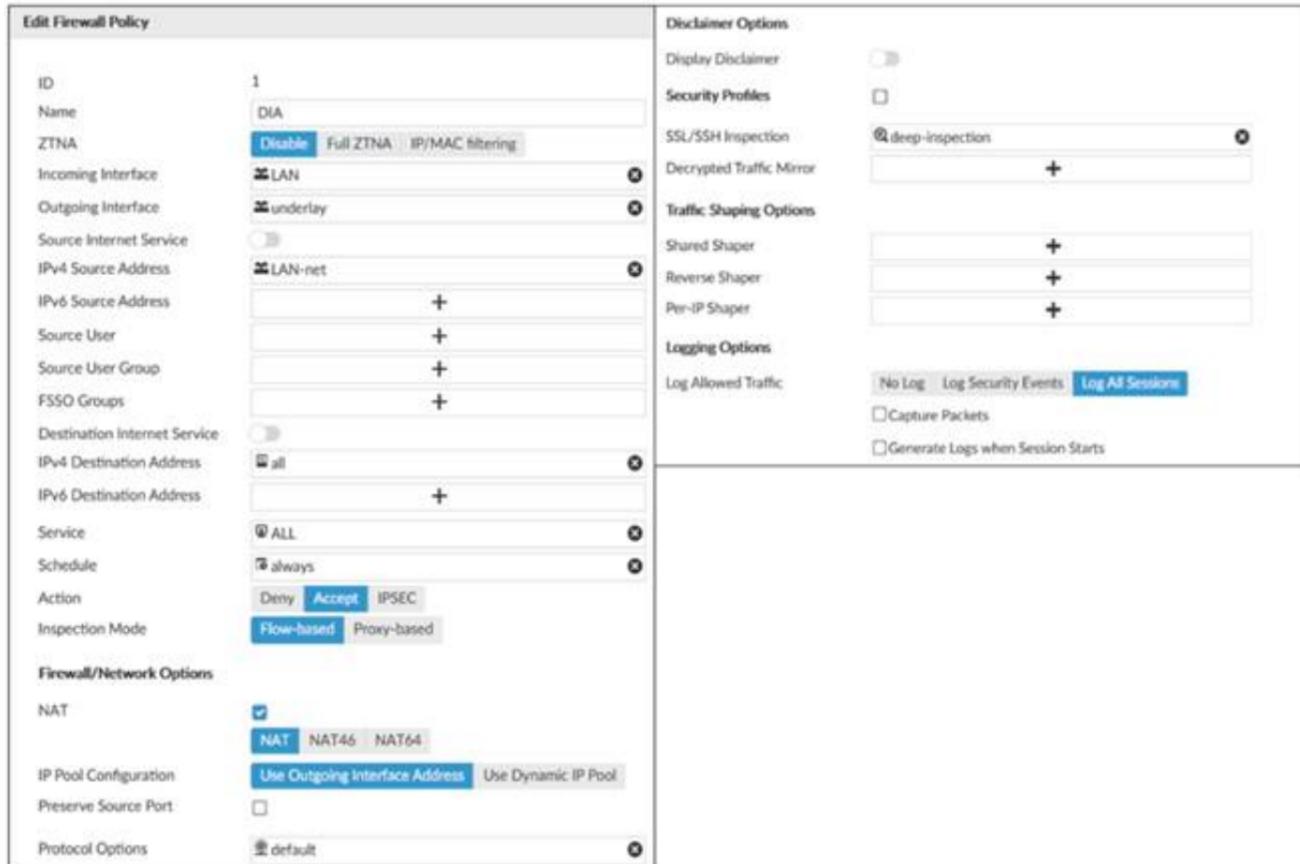


Exhibit A shows the traffic shaping policy and exhibit B shows the firewall policy. The administrator wants FortiGate to limit the bandwidth used by YouTube. When testing, the administrator determines that FortiGate does not apply traffic shaping on YouTube traffic. Based on the policies shown in the 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: B

**NEW QUESTION 8**

Refer to the exhibits.  
 Exhibit A

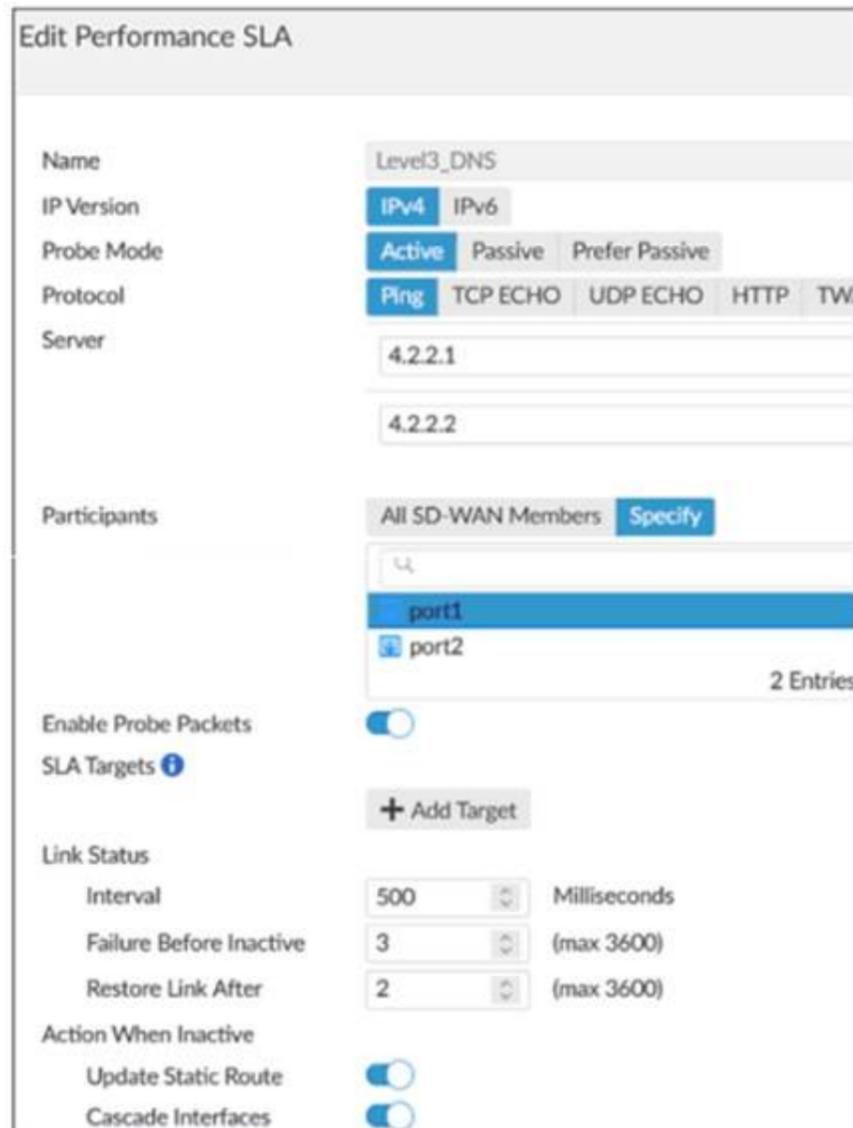


Exhibit B -

```
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 9**

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 10**

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 10**

Refer to the exhibits.

Exhibit A

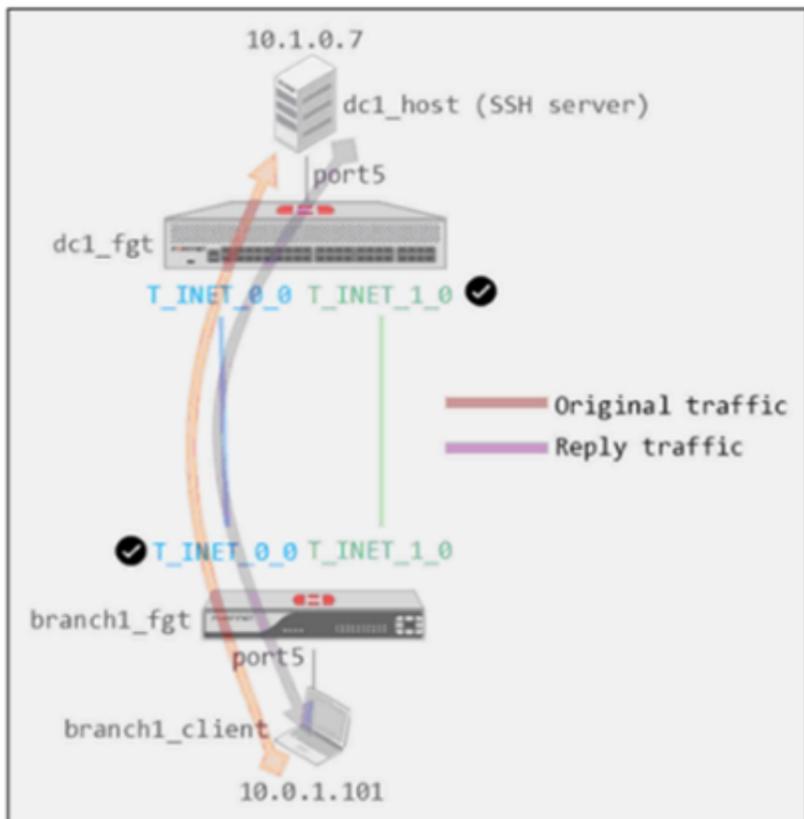


Exhibit B

```

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 tcp-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

**Explanation:**

Controlling return path with auxiliary session When multiple incoming or outgoing interfaces are used in ECMP or for load balancing, changes to routing, incoming, or return traffic interfaces impacts how an existing sessions handles the traffic. Auxiliary sessions can be used to handle these changes to traffic patterns. <https://docs.fortinet.com/document/fortigate/7.0.11/administration-guide/14295/controlling-return-path>

**NEW QUESTION 13**

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

**NEW QUESTION 14**

In a hub-and-spoke topology, what are two advantages of enabling ADVPN on the IPsec overlays? (Choose two.)

- A. It provides the benefits of a full-mesh topology in a hub-and-spoke network.
- B. It provides direct connectivity between spokes by creating shortcuts.
- C. It enables spokes to bypass the hub during shortcut negotiation.
- D. It enables spokes to establish shortcuts to third-party gateways.

Answer: AB

NEW QUESTION 19

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