



## Fortinet

### Exam Questions NSE7\_SDW-7.0

Fortinet NSE 7 - SD-WAN 7.0

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## NEW QUESTION 1

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	nat.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_b1	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 2

Refer to the exhibit, which shows the IPsec phase 1 configuration of a spoke.

```
config vpn ipsec phase1-interface
  edit "T_INET_0_0"
    set interface "port1"
    set ike-version 2
    set keylife 28800
    set peertype any
    set net-device disable
    set proposal aes128-sha256 aes256-sha256 aes128gcm-prfsha256 aes256gcm-prfsha384
    chacha20poly1305-prfsha256
    set comments "[created by FMG VPN Manager]"
    set idle-timeout enable
    set idle-timeoutinterval 5
    set auto-discovery-receiver enable
    set remote-gw 100.64.1.1
    set psksecret ENC
    6DSrVsaK1MeAyVYt1z95BS24Psew761wY023hnFVviwb6deIt8c51tCa+iNYhuJT8gycfD4+WuszpmuIv8rRzrVh
    7DFkHaW2auAAprQ0dHUfaCzjOhME7mPw+8he2xB7Edb9ku/nZEHb0cKLkKYJc/p9J9IMweV21ZUgFjvIpXNxHxpH
    LReOFShoH01SPFKz5IYCVA==
    next
  end
```

What must you configure on the IPsec phase 1 configuration for ADVPN to work with SD-WAN?

- A. You must set ike-version to 1.
- B. You must enable net-device.
- C. You must enable auto-discovery-sender.
- D. You must disable idle-timeout.

Answer: B

## NEW QUESTION 3

Refer to the exhibit.

```
# get router info routing-table all
...
B      10.0.2.0/24 [200/0] via 10.201.1.2 [3] (recursive via VPN0 tunnel 100.64.1.1), 00:00:54
        [200/0] via 10.202.1.2 [3] (recursive via VPN1 tunnel 100.64.1.9), 00:00:54
        [200/0] via 10.203.1.1 [3] (recursive via VPN2 tunnel 172.16.1.5), 00:00:54
...
```

The device exchanges routes using IBGP.

Which two statements are correct about the IBGP configuration and routing information on the device? (Choose two.)

- A. Each BGP route is three hops away from the destination.
- B. ibgp-multipath is disabled.
- C. additional-path is enabled.
- D. You can run the get router info routing-table database command to display the additional paths.

**Answer:** CD

#### 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+KywxBG4ZDT7jWHKd8YaL8j4+pRpYOx/N7mSgc7VL0BW22HQUXWJ6zvFxNKktiPYNtA8aP
i6ly7gDx2lP/OiKexTQQJzgCGRYzLM8eFTOnK7K6AuX0bFDCpBBhEIdf+03CYBMLwkF2mdU6RsT+qvybb1VX+1oy
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

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

#### NEW QUESTION 7

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:** AC

#### NEW QUESTION 8

Which CLI command do you use to perform real-time troubleshooting for ADVPN negotiation?

- A. get router info routing-table all
- B. diagnose debug application ike
- C. diagnose vpn tunnel list
- D. get ipsec tunnel list

**Answer:** B

#### NEW QUESTION 9

Refer to the exhibits.

Exhibit A

```
branch1_fgt (3) # show
config service
edit 3
set name "Corp"
set mode sla
set dst "Corp-net"
set src "LAN-net"
config sla
edit "VPN_PING"
set id 1
next
edit "VPN_HTTP"
set id 1
next
end
set priority-members 3 4 5
set gateway enable
next
end
```

Exhibit B



```
branch1_fgt # diagnose sys sdwan service 3

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Gen(1), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(sla), sla-compare-order
Members(2):
  1: Seq_num(5 T_MPLS_0), alive, sla(0x3), gid(0), cfg_order(2), cost(0), selected
  2: Seq_num(4 T_INET_1_0), alive, sla(0x1), gid(0), cfg_order(1), cost(0), selected
  3: Seq_num(3 T_INET_0_0), alive, sla(0x0), gid(0), cfg_order(0), cost(0), selected
Src address(1):
  10.0.1.0-10.0.1.255

Dst address(1):
  10.0.0.0-10.255.255.255

branch1_fgt # get router info routing-table all | grep T_
S      10.0.0.0/8 [1/0] via T_INET_0_0 tunnel 100.64.1.1
        [1/0] via T_INET_1_0 tunnel 100.64.1.9
S      10.201.1.254/32 [15/0] via T_INET_0_0 tunnel 100.64.1.1
S      10.202.1.254/32 [15/0] via T_INET_1_0 tunnel 100.64.1.9
S      10.203.1.254/32 [15/0] via T_MPLS_0 tunnel 172.16.1.5

branch1_fgt # diagnose sys sdwan member | grep T_
Member(3): interface: T_INET_0_0, flags=0x4 , gateway: 100.64.1.1, peer: 10.201.1.254,
priority: 0 1024, weight: 0
Member(4): interface: T_INET_1_0, flags=0x4 , gateway: 100.64.1.9, peer: 10.202.1.254,
priority: 0 1024, weight: 0
Member(5): interface: T_MPLS_0, flags=0x4 , gateway: 172.16.1.5, peer: 10.203.1.254,
priority: 0 1024, weight: 0
```

Exhibit A shows the configuration for an SD-WAN rule and exhibit B shows the respective rule status, the routing table, and the member status. The administrator wants to understand the expected behavior for traffic matching the SD-WAN rule. Based on the exhibits, what can the administrator expect for traffic matching the SD-WAN rule?

- A. The traffic will be load balanced across all three overlays.
- B. The traffic will be routed over T\_INET\_0\_0.
- C. The traffic will be routed over T\_MPLS\_0.
- D. The traffic will be routed over T\_INET\_1\_0.

**Answer: C**

#### NEW QUESTION 10

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 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 13

Which components make up the secure SD-WAN solution?

- A. Application, antivirus, and URL, and SSL inspection
- B. Datacenter, branch offices, and public cloud
- C. FortiGate, FortiManager, FortiAnalyzer, and FortiDeploy
- D. Telephone, ISDN, and telecom network.

**Answer:** C

#### NEW QUESTION 18

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 20

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