



Vendor: Fortinet

Exam Code: NSE7_SDW-7.2

Exam Name: Fortinet NSE 7 - SD-WAN 7.2

Version: DEMO

QUESTION 1

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

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

Answer: AB

QUESTION 2

Refer to the exhibit. The exhibit shows output of the command diagnose sys sdwan service collected on a FortiGate device.

The administrator wants to know through which interface FortiGate will steer the traffic from local users on subnet 10.0.1.0/255.255.255.192 and with a destination of the business application Salesforce located on HQ servers 10.0.0.1.

Based on the exhibits, which two statements are correct? (Choose two.)

```
fgt_1 # diagnose sys sdwan service

Service(1): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Tie break: cfg
Gen(7), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(priority), link-cost-factor(latency), link-cost-threshold(10), health-check(HQ_Servers)

Members(2):
  1: Seq_num(1 port1), alive, latency: 2.672, selected
  2: Seq_num(2 port2), alive, latency: 2.570, selected
Internet Service(2): Facebook(4294836714,0,0,0,0 15832) Twitter(4294838045,0,0,0,0 16001)
Src address(1):
  10.0.1.0-10.0.1.255

Service(2): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Tie break: cfg
Gen(6), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
Members(1):
  1: Seq_num(2 port2), alive, selected
Internet Service(2): Business(0,29,0,0,0) Industrial(0,26,0,0,0)
Src address(1):
  10.0.1.0-10.0.1.255

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Tie break: cfg
Gen(7), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(sla), sla-compare-order
Members(3):
  1: Seq_num(3 T_HQ1), alive, alive, sla(0x3), gid(0), cfg_order(0), local cost(0), selected
  2: Seq_num(4 T_HQ2), alive, alive, sla(0x2), gid(0), cfg_order(1), local cost(0), selected
  3: Seq_num(5 T_HQ3), alive, alive, sla(0x1), gid(0), cfg_order(2), local 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
```

- A. There is no service defined for the Salesforce application, so FortiGate will use the service rule 3 and steer the traffic through interface T_HQ1.
- B. FortiGate steers traffic to HQ servers according to service rule 1 and it uses port1 or port2 because both interfaces are selected.
- C. When FortiGate cannot recognize the application of the flow it steers the traffic destined to server 10.0.0.1 according to service rule 3.

- D. FortiGate steers traffic for business application according to service rule 2 and steers traffic through port2.

Answer: AC

QUESTION 3

Which statement is correct about SD-WAN and ADVPN?

- A. SD-WAN can steer traffic to ADVPN shortcuts only for rules defined with strategy manual or best quality.
- B. SD-WAN does not monitor the health and performance of ADVPN shortcuts.
- C. SD-WAN cannot steer traffic to ADVPN shortcuts established over IPsec overlays if the zone contains physical interfaces.
- D. SD-WAN can steer traffic to ADVPN shortcuts established over IPsec overlays configured as SD-WAN members.

Answer: D

QUESTION 4

Which two statements about the SD-WAN members are true? (Choose two.)

- A. Interfaces of type virtual wire pair can be used as SD-WAN members.
- B. You can manually define the SD-WAN members sequence number.
- C. An SD-WAN member can belong to two or more SD-WAN zones.
- D. Interfaces of type VLAN can be used as SD-WAN members.

Answer: BD

QUESTION 5

Within IPsec tunnel templates available on FortiManager, which template will you use to configure static tunnels for a hub and spoke topology?

- A. Hub_IPsec_Recommended
- B. Static_IPsec_Recommended
- C. IPsec Fortinet Recommended
- D. Branch IPsec Recommended

Answer: A

QUESTION 6

The administrator uses the FortiManager SD-WAN overlay template to prepare an SD-WAN deployment. With information provided through the SD-WAN overlay template wizard, FortiManager creates templates ready to install on spoke and hub devices. Select three templates created by the SD-WAN overlay template for a spoke device. (Choose three.)

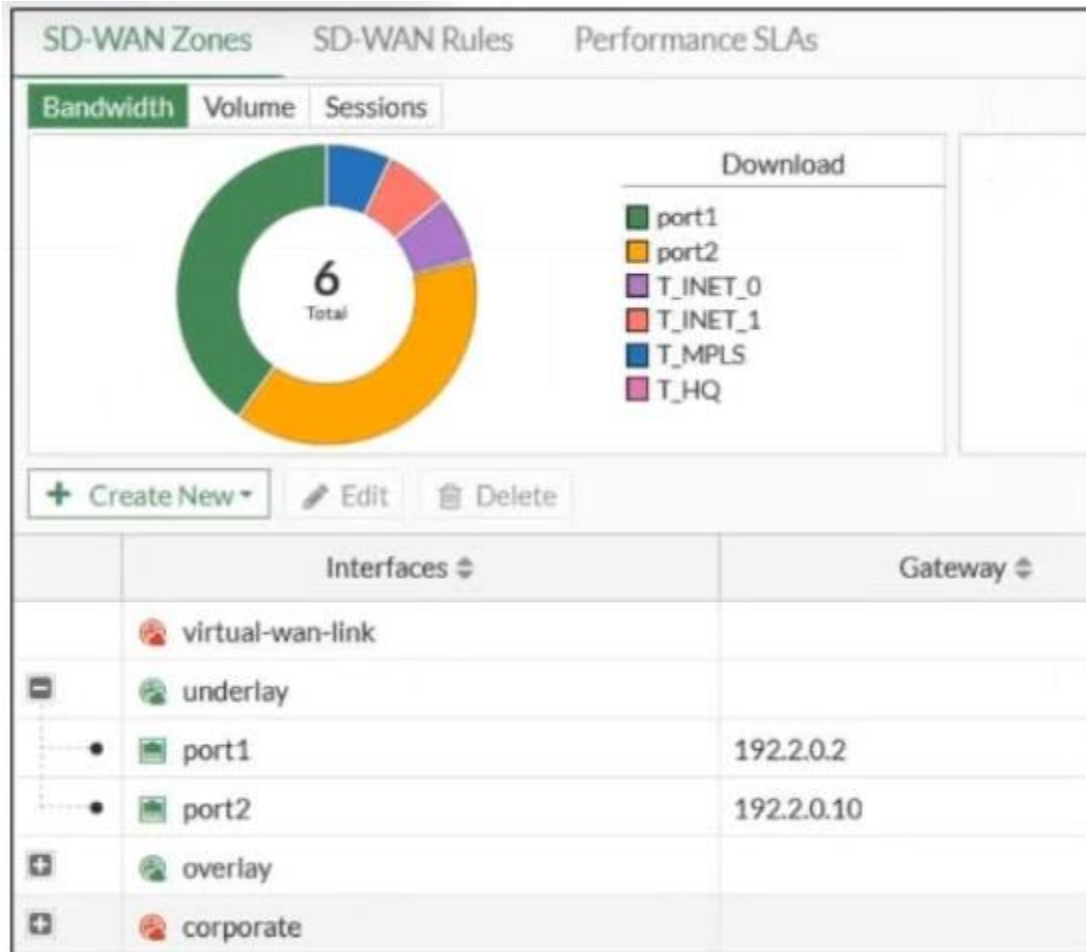
- A. IPsec tunnel template
- B. BGP template
- C. Overlay template

- D. System template
- E. CLI template

Answer: ABE

QUESTION 7

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

Answer: D

QUESTION 8

The SD-WAN overlay template helps to prepare SD-WAN deployments. To complete the tasks performed by the SD-WAN overlay template, the administrator must perform some post-run

tasks.

What are three mandatory post-run tasks that must be performed? (Choose three.)

- A. Assign an `sdwan_id` metadata variable to each device (branch and hub).
- B. Assign a `branch_id` metadata variable to each branch device.
- C. Create policy packages for branch devices.
- D. Configure SD-WAN rules.
- E. Configure routing through overlay tunnels created by the SD-WAN overlay template.

Answer: BDE

QUESTION 9

Refer to the exhibit, which shows output of the command `diagnose sys sdwan health-check status` collected on a FortiGate device.

```
# 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(9999999), bandwidth-dw(9999999), bandwidth-bi(19999998) 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
```

Which two statements are correct about the health check status on this FortiGate device? (Choose two.)

- A. The interface `T_INET_0` missed three SLA targets.
- 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 health-check `VPN_PING` orders the members according to the measured jitter.

Answer: BC

QUESTION 10

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/N7mSgc7VL0BW2ZHQUXWJ6zvFxNKktiPYntA8aP
i6ly7gDx2lP/OfKexTQQJzgCGRYzLM8eFTOnK7K6AuX0bFDCpBBhEIdf+03CYBMLwkFZmdU6RsT+qvybblVX+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.

QUESTION 11

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

Explanation:

The diagnose debug application ike command displays real-time debugging information for the IKE protocol. This information can be used to troubleshoot ADVPN negotiation problems.

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