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), heath-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

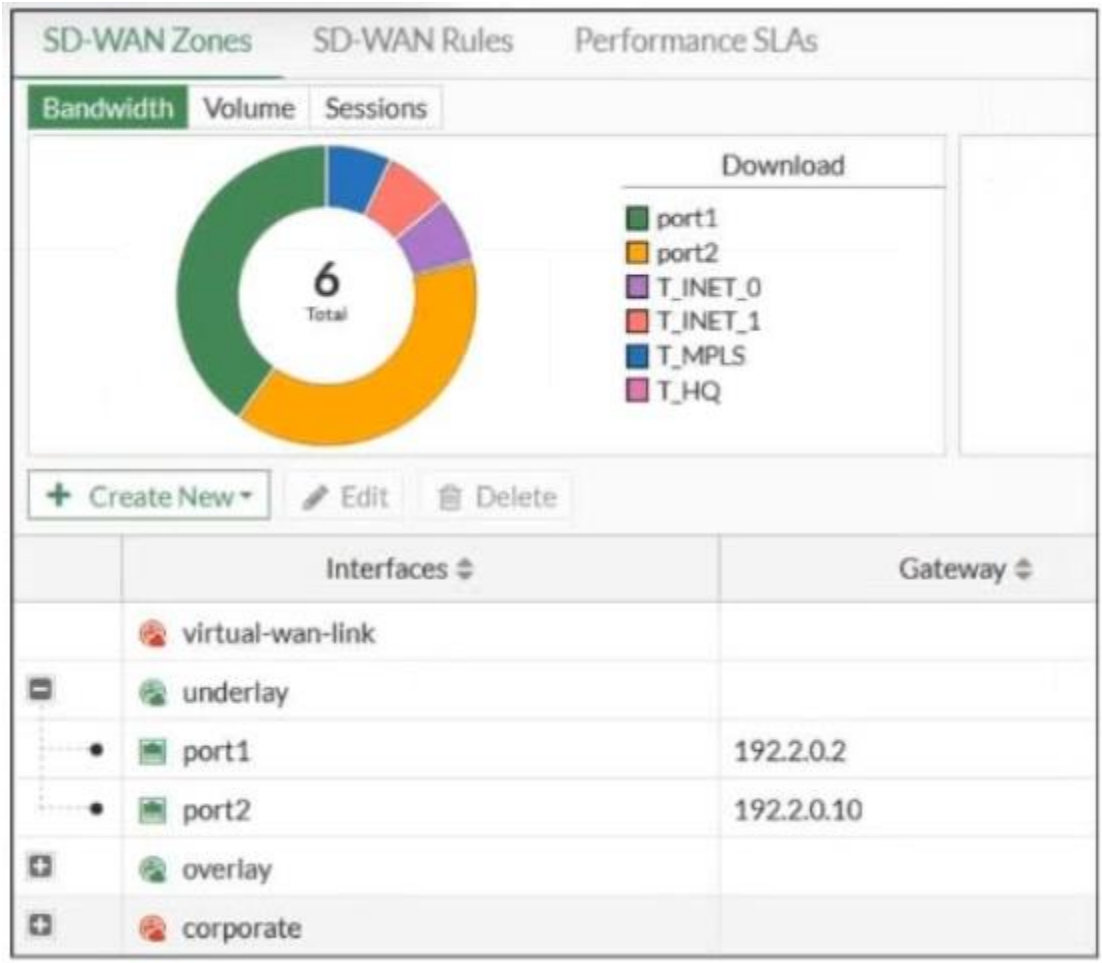
QUESTION 6
The administrator uses the FortiManager SD-WAN overlay template to prepare an SD-WAN deployment. With information provided through the SD-WAN overlay template wizard, FortiManager creates templates ready to install on spoke and hub devices.
Select three templates created by the SD-WAN overlay 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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