

Exam Questions NSE7_SDW-7.0

Fortinet NSE 7 - SD-WAN 7.0

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NEW QUESTION 1

Refer to the exhibit.

```
config system virtual-wan-link
  set status enable
  set load-balance-mode source-ip-based
  config members
    edit 1
      set interface "port1"
      set gateway 100.64.1.254
      set source 100.64.1.1
      set cost 15
    next
    edit 2
      set interface "port2"
      set gateway 100.64.2.254
      set priority 10
    next
  end
end
```

Based on the output shown in the exhibit, which two criteria on the SD-WAN member configuration can be used to select an outgoing interface in an SD-WAN rule? (Choose two.)

- A. Set priority 10.
- B. Set cost 15.
- C. Set load-balance-mode source-ip-ip-based.
- D. Set source 100.64.1.1.

Answer: AB

NEW QUESTION 2

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 3

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 4

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 5

Refer to the exhibit.

```
branch1_fgt # diagnose sys sdwan service 3

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
  Gen(5), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(priority), link-cost-
factor(latency), link-cost-threshold(10), health-check(VPN_PING)
  Members(3):
    1: Seq_num(3 T_INET_0_0), alive, latency: 101.349, selected
    2: Seq_num(4 T_INET_1_0), alive, latency: 151.278, selected
    3: Seq_num(5 T_MPLS_0), alive, latency: 200.984, 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 (3) # show
config service
  edit 3
    set name "Corp"
    set mode priority
    set dst "Corp-net"
    set src "LAN-net"
    set health-check "VPN_PING"
    set priority-members 3 4 5
  next
end
```

The exhibit shows the SD-WAN rule status and configuration.

Based on the exhibit, which change in the measured latency will make T_MPLS_0 the new preferred member?

- A. When T_INET_0_0 and T_MPLS_0 have the same latency.
- B. When T_MPLS_0 has a latency of 100 ms.
- C. When T_INET_0_0 has a latency of 250 ms.
- D. When T_MPLS_0 has a latency of 80 ms.

Answer: D

NEW QUESTION 6

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 7
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: B

NEW QUESTION 8

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 9

Refer to the exhibits.

Exhibit A

Edit Performance SLA

Name: Level3_DNS

IP Version: **IPv4** IPv6

Probe Mode: **Active** Passive Prefer Passive

Protocol: **Ping** TCP ECHO UDP ECHO HTTP TW

Server: 4.2.2.1
4.2.2.2

Participants: All SD-WAN Members **Specify**

port1
port2
2 Entries

Enable Probe Packets: ☒

SLA Targets **+** Add Target

Link Status

Interval: 500 Milliseconds

Failure Before Inactive: 3 (max 3600)

Restore Link After: 2 (max 3600)

Action When Inactive

Update Static Route: ☒

Cascade Interfaces: ☒

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 10

In the default SD-WAN minimum configuration, which two statements are correct when traffic matches the default implicit SD-WAN rule? (Choose two)

- A. Traffic has matched none of the FortiGate policy routes.
- B. Matched traffic failed RPF and was caught by the rule.
- C. The FIB lookup resolved interface was the SD-WAN interface.
- D. An absolute SD-WAN rule was defined and matched traffic.

Answer: AC

NEW QUESTION 10

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