Fortinet

Exam Questions NSE7_SDW-6.4

Fortinet NSE 7 - SD-WAN 6.4

NEW QUESTION 1
An administrator is troubleshooting VoIP quality issues that occur when calling external phone numbers The SD-WAN interface on the edge FortiGate is configured with the default settings, and is using two upstream links One link has random jitter and latency issues and is based on a wireless connection
Which two actions must the administrator apply simultaneously on the edge FortiGate to improve VoIP quality using SD_WAN rules?

A. Select the corresponding SD-WAN balancing strategy in the SD-WAN rule.
B. Choose the suitable interface based on the interface cost and weight.
C. Use the performance SLA targets to detect latency and jitter instantly.
D. Place the troublesome link at the top of the interface preference list.
E. Configure an SD-WAN rule to load balance all traffic without VoIP.

Answer: AC

NEW QUESTION 2
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 output shown in the exhibit, which two commands can be used by SD-WAN rules? (Choose two.)

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

Answer: CD

NEW QUESTION 3
Which statement defines how a per-IP traffic shaper of 10 Mbps is applied to the entire network?

A. FortiGate allocates each IP address a maximum 10 Mbps of bandwidth.
B. Each IP is guaranteed a minimum 10 Mbps of bandwidth
C. A single user uses the allocated bandwidth divided by total number of users.
D. The 10 Mbps bandwidth is shared equally among the IP addresses.

Answer: A

NEW QUESTION 4
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: D

NEW QUESTION 5
Refer to exhibits.

	ID	Name	Source	Destination	Criteria	Members
Exhibit A / **Exhibit B**						
☐ IPv4 ❸						
⠿ 1		Google.ICMP	🖥 all	G Google-ICMP	Latency	▦ port1 ✔ ▦ port2
	2	Vimeo	🖥 all	v Vimeo		▦ port2 ✔
	3	All_Access_Rules	🖥 all	🖥 all		▦ port1 ✔
☐ Implicit ❶						
		sd-wan	🖥 all	🖥 all	Source-Destination IP	☐ any

Date/Time	Source	Destination	Application Name	Result	Policy	Destination Interface
2020/10/15 11:12:27	10.0.1.10	🇺🇸 151.101.250.109 (i.vimeocdn.com)	v Vimeo	✔ UTM Allowed	Internet Access (1)	▦ port2
2020/10/15 11:12:22	10.0.1.10	🇺🇸 34.120.15.67 (fresnel-events.vimeocdn.com)	v Vimeo	✔ 2.00 kB / 4.33 kB	Internet Access (1)	▦ port1
2020/10/15 11:12:20	10.0.1.10	🇺🇸 172.217.13.227 (ocsp.pki.goog)	⊙ OCSP	✔ 1.28 kB / 1.49 kB	Internet Access (1)	▦ port1
2020/10/15 11:12:07	10.0.1.10	🇺🇸 23.47.205.151 (detectportal.firefox.com)	HTTP.BROWSER_Firefox	✔ 1.44 kB / 1.55 kB	Internet Access (1)	▦ port1
2020/10/15 11:12:07	10.0.1.10	🇺🇸 23.47.205.151 (detectportal.firefox.com)	HTTP.BROWSER_Firefox	✔ 1.43 kB / 1.60 kB	Internet Access (1)	▦ port1
2020/10/15 11:12:04	10.0.1.10	🇺🇸 99.84.221.62 (snippets.cdn.mozilla.net)	⊙ HTTPS.BROWSER	✔ 2.08 kB / 13.44 kB	Internet Access (1)	▦ port1

Exhibit A shows the SD-WAN rules and exhibit B shows the traffic logs. The SD-WAN traffic logs reflect how FortiGate processed traffic.
Which two statements about how the configured SD-WAN rules are processing traffic are true? (Choose two.)

A. The implicit rule overrides all other rules because parameters widely cover sources and destinations.
B. SD-WAN rules are evaluated in the same way as firewall policies: from top to bottom.
C. The All_Access_Rules rule load balances Vimeo application traffic among SD-WAN member interfaces.
D. The initial session of an application goes through a learning phase in order to apply the correct rule.

Answer: AB

NEW QUESTION 6
What are the two minimum configuration requirements for an outgoing interface to be selected once the SD-WAN logical interface is enabled? (Choose two)

A. Specify outgoing interface routing cost.
B. Configure SD-WAN rules interface preference.
C. Select SD-WAN balancing strategy.
D. Specify incoming interfaces in SD-WAN rules.

Answer: AB

NEW QUESTION 7
Refer to exhibits.

Exhibit A   **Exhibit B**

Edit Traffic Shaping Policy

Name	Streaming_shaper
Status	🔼 Enabled 🔽 Disabled
Comments	Write a comment... 0/255

If Traffic Matches:

Source	🖥 all ✕ ➕
Destination	🖥 all ✕ ➕
Schedule	⬜
Service	👤 ALL ✕ ➕
Application ℹ	➕
URL Category	Streaming Media and Download ✕ ➕

Then:

Action	Apply Shaper Assign Shaping Class ID
Outgoing interface	🌐 SD-WAN ✕ ➕
Shared shaper	⬜
Reverse shaper	🔵 shared-1M-pipe ▼
Per-IP shaper	⬜

Exhibit B.

Exhibit A	Exhibit B

Edit Policy

Name ℹ️	Dailymotion_traffic
Incoming interface	▦ port3 ▼
Outgoing interface	🌐 SD-WAN ▼
Source	▤ all ✕ / +
Destination	▤ all ✕ / +
Schedule	🕓 always ▼
Service	👤 ALL ✕ / +
Action	✓ ACCEPT ⊘ DENY
Inspection Mode	Flow-based Proxy-based

Firewall / Network Options

NAT	🔵⬤
IP Pool Configuration	Use Outgoing Interface Address Use Dynamic
Preserve Source Port	⬤🔘
Protocol Options	PRX default ▼

Security Profiles

AntiVirus	⬤🔘
WebFilter	⬤🔘
DNS Filter	⬤🔘
Application Control	⬤🔘
IPS	⬤🔘
SSL Inspection	SSL certificate-inspection ▼ ✏️

Exhibit A shows the traffic shaping policy and exhibit B show: the firewall policy
FortiGate is not performing traffic shaping as expected basi on the policies shown in the exhibits.
To correct this traffic shaping issue on FortiGate, what configuration change must be made on which policy?

A. The shaper mode must be applied per-IP shaper on the traffic shaping policy
B. The application control profile must be enabled on the firewall policy.
C. The web filter profile must be enabled on the firewall policy.
D. The URL category must be specified on the traffic shaping policy

Answer: C

NEW QUESTION 8
Refer to exhibits.

Exhibit A | **Exhibit B**

```
config system global
    set snat-route-change enable
end
```

Exhibit A | **Exhibit B**

```
FortiGate # get router info routing-table details
Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP
       O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default

Routing table for VRF=0
S*      0.0.0.0/0 [1/0] via 192.168.73.2, port2, [1/0]
                  [1/0] via 192.168.1.1, port1, [10/0]
C       10.0.1.0/24 is directly connected, port3
C       192.168.1.0/24 is directly connected, port1
C       192.168.73.0/24 is directly connected, port2
```

Exhibit A shows the source NAT global setting and exhibit B shows the routing table on FortiGate. Based on the exhibits, which two statements about increasing the port2 interface priority to 20 are true?
(Choose two.)

A. All the existing sessions that do not use SNAT will be flushed and routed through port1.
B. All the existing sessions will continue to use port2, and new sessions will use port1.
C. All the existing sessions using SNAT will be flushed and routed through port1.
D. All the existing sessions will be blocked from using port1 and port2.

Answer: BC

NEW QUESTION 9
Which statement is correct about the SD-WAN and ADVPN?

A. ADVPN interface can be a member of SD-WAN interface.
B. Dynamic VPN is not supported as an SD-Wan interface.
C. Spoke support dynamic VPN as a static interface.
D. Hub FortiGate is limited to use ADVPN as SD-WAN member interface.

Answer: A

NEW QUESTION 10
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: BD

NEW QUESTION 10
Which statement reflects how BGP tags work with SD-WAN rules?

A. BGP tags match the SD-WAN rule based on the order that these rules were installed.
B. BGP tags require that the adding of static routes be enabled on all ADVPN interfaces
C. Route tags are used for a BGP community and the SD-WAN rules are assigned the same tag
D. VPN topologies are formed using only BGP dynamic routing with SD-WAN

Answer: D

NEW QUESTION 14
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 15
Refer to exhibits. Exhibit A.

Exhibit A | **Exhibit B**

Link Status

Check interval	500	ms
Failures before inactive ℹ	3	
Restore link after ℹ	2	check(s)

Actions when Inactive

Update static route ℹ 🟢

Exhibit B.

Exhibit A | **Exhibit B**

	Interfaces	Gateway	Cost	Download	Upload
▦	port1	10.200.1.254	0	0 bps	0 bps
▦	port2	10.200.2.254	0	0 bps	0 bps

Destination ⬍	Gateway IP ⬍	Interface ⬍	Status ⬍
⊟ IPv4 ❹			
0.0.0.0/0		🌐 SD-WAN	✅ Enabled
10.0.20.0/23	192.168.1.1	▦ port1	✅ Enabled
100.64.1.0/24	192.168.73.2	▦ port2	✅ Enabled
172.20.0.0/16	192.168.73.2	▦ port2	✅ Enabled

Exhibit A shows the SD-WAN performance SLA and exhibit B shows the SO-WAN interface and the static routes configuration.

Port1 and port2 are member interfaces of the SD-WAN, and port2 becomes a dead member after reaching the failure thresholds Which statement about the dead member is correct?

A. Subnets 100 .64.1.0/23 and 172 . 20 . 0. 0/16 are reachable only through port1
B. SD-WAN interface becomes disabled and port1 becomes the WAN interface
C. Dead members require manual administrator access to bring them back alive
D. Port2 might become alive when a single response is received from an SLA server

Answer: A

NEW QUESTION 16
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