# NSE7\_SDW-6.4<sup>Q&As</sup>

Fortinet NSE 7 - SD-WAN 6.4

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#### **QUESTION 1**

Refer to the exhibits.

	▼ Name	Туре	Mapped P	olicy Interfa	ce Addressing Mode	IP/Netmask	Access	Virtual Domain State	us Administrative Statu
	▼ Aggregate (1)								
0	fortilink	Aggregate	# fortilink		Manual	169.254.1.1/255.255.255.0	PING	root	📌 Up
	Physical (10)								
	port9	E Physical	¥ port9		Manual	0.0.0/0.0.0.0		root	📌 Up
	port8	Physical	🛎 port8		Manual	0.0.0.0/0.0.0.0		root	🛧 Up
	port7	E Physical	¥ port7		Manual	0.0.0/0.0.0.0		root	🛧 Up
	port6	E Physical	🛎 port6		Manual	0.0.0.0/0.0.0.0		root	🛧 Up
0	port5	Physical	¥ port5		Manual	0.0.0/0.0.0.0		root	🛧 Up
	port4	Physical	¥ port4		DHCP	192.168.1.184/255.255.255.0	HTTPS, PING, SSH, HTTP	root	🛨 Up
	port3	Physical	# port3		Manual	10.0.1.253/255.255.255.0	HTTPS, PING, SSH, HTTP	root	🛧 Up
	port2	Physical	# port2		Manual	10.200.2.10/255.255.255.0	HTTPS, PING, SSH, HTTP	root	🕈 Up
	port10	Physical	# port10		Manual	0.0.0/0.0.0.0		root	🕈 Up
	port1	Physical	🛎 port1		Manual	10.200.1.10/255.255.255.0	HTTPS, PING, SSH, HTTP, F	root	🕈 Up
	▼ Tunnel (1)								
	ssl.root (SSL VPN interface)	① Tunnel	🛎 ssl.root		Manual	0.0.0/0.0.0.0		root	🕈 Up
+	Create New 🗸 🗹 Edit 🍵	Delete 🐻 Co	lumn Settings	s. <del>*</del>					
	ID Destination Gatewa	y Interface	♥ Distance	Priority Sta	tus Description				
	▼ Static Route (2)								
	1 0.0.0/0.0.0 10.200.	1.254 🗐 port1	10	0 0	Enable				
	2 0.0.0/0.0.0 10.200.	2.254 🗐 port2	10	0 🙂	Enable				

т	Create New V	Edit	E Delete	e 🖻 Se	ction 🗸 18	Column Se	ttings •								● View Mode V
	# Name	From	То	Source	Destination	Schedule	Service	Users	Action	Security Profiles	Log	NAT	Install On	Created Time	Last Modified
	1 Internet_Acces	ss 🗖 port	3 port1	🗶 all	🗶 all	G always	ALL		✓ Accept	Q no-inspection	Log Security Events	C Enabled	Installation Targets	2020-10-23 01:46:20	admin/2020-10-23 01:46:20
	▼ Implicit (2-2 /	Total: 1)													
	2 Implicit Deny	🔁 any	🔁 any	🗃 all 🖸 all	🖾 all 🖸 all	🖬 always	🛛 ALL		O Deny		Ø No Log		Installation Targets		

ExhibitA 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. port2 is referenced in a static route.

- B. port1 is assigned a manual IP address.
- C. port1 and port2 are not administratively down.
- D. port1 is referenced in a firewall policy.

Correct Answer: D

#### **QUESTION 2**

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

Correct Answer: C

#### **QUESTION 3**

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.

Correct Answer: C

#### **QUESTION 4**

#### Refer to exhibits

2 Implicit Deny

-	Where Used Collapse			Column									
	Mapped Policy Interfac	e Addressi	ng Mode	P/Netm	ask		Access	-	1	/irtual Domain	Status	Administrative St	atus
te i	🛎 fortilink	Manual		169.254	1.1/255.255	.255.0	PING			root		🕈 Up	
	🛎 port9	Manual		0.0.0.0/0	0.0.0.0	-				root		🛧 Up	
8 4	🗯 port8	Manual		0.0.0.0/0	0.0.0.0					root		🛧 Up	-
	🛎 port7	Manual		0.0.0.0/0	0.0.0.0				1	root		🛧 Up	
	🗶 port6	Manual		0.0.0.0/0	0.0.0.0					root		🛨 Up	
1	# port5	Manual		0.0.0.0/0	0.0.0.0				1	root		🛨 Up	
	and provide the												
	• anat	DUCD		102 140	4 404/955 91	EE DEE D	LITTRE DIK	IF EEU L	. חדדנ	and .		A 114	-
	•			102 ***	1 104/755 71	EEDEED	LITTRE RIK	IF 2211 1	JTTD -			A 11-	17
	hibit A Exhibit B		1 Delete	Eð Sec	tion ✓ 🎜	Column S	ettings <del>-</del>						TAN
Ex	hibit A Exhibit B		읍 Delete To	Eð Sec		Column S	ettings <del>-</del>	Users A	ction	Security Profile	es Log	og Security Events	NAT

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 are two issues you might encounter when creating an SD-WAN interface on port1 and port2? {Choose two }

D all

To any

R any

- A. Member interfaces that are administratively down
- B. Member interface that have IP address of 0.0.0.0/0.0.0.0
- C. Member interfaces that are physical interfaces as well as VLAN aggregate, and iPsec interfaces
- D. Member interfaces that are referenced by any other configuration element

Correct Answer: AD

#### **QUESTION 5**

FortiGate is connected to the internet and is obtaining the IP address on its egress interlace from the DHCP server

Which statement is due when FortiGate restarts and receives preconfigured settings to install as part of a zero-touch provisioning process?

- A. FortiDeploy connects with FortiGate and provides the initial configuration to contact FortiManager
- B. The zero-touch provisioning process completes internally, behind FortiGate
- C. FortiManager registers FortiGate after the restart and retrieves the existing configuration
- D. The FortiGate cloud key added to the FortiGate cloud portal and FortiGate performs a factory reset before the restart

Correct Answer: A

#### **QUESTION 6**

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

- A. diagnose sys virtual-wan-link service
- B. get router info routing-table
- C. diagnose debug application ike
- D. get ipsec tunnel list

Correct Answer: C

#### **QUESTION 7**

Which two configuration tasks are required to use SD-WAN? (Choose two.)

- A. Add one or more members to an SD-WAN zone.
- B. Configure at least one firewall policy for SD-WAN traffic.
- C. Specify the outgoing interface routing cost.

D. Specify the incoming interfaces in SD-WAN rules.

Correct Answer: AB

#### **QUESTION 8**

Refer to the exhibits.

Link Status		
Check interval	500	ms
Failures before inactive	3	
Restore link after 0	2	check(s)
	2	check(
Actions when Inactive		
Update static route   0		

	Interfaces	÷	Gatewa	y \$	Cos	t 🗢
	😤 virtual-wa	n-link				
	🔳 port2		100.64.2.254		0	
	port1		100.64.1.254		0	
Des	tination 🗘	Ga	ateway IP 🌲	Interf	ace 🌲	Status
IPv4	4 (4)					
0.0.0/	0			SD-W	/AN	📀 Enable
10.0.20	.0/23	10	0.64.1.254	🔳 port1		📀 Enable
192.168	3.20.0/24	10	0.64.2.254	🔚 port2	1	📀 Enable
172.20.	0.0/16	10	0.64.2.254	m port2		S Enable

Exhibit A shows the SD-WAN performance SLA and exhibit B shows the SD-WAN member and the static routes configuration. If port2 is detected dead by FortiGate, which expected behavior is correct?

A. Port2 becomes alive after one successful probe is detected.

- B. The SD-WAN interface becomes disabled and port1 becomes the WAN interface.
- C. Dead members require manual administrator access to bring them back alive.

D. Subnets 10.0.20.0/23 and 172.20.0.0/16 are reachable only through port1.

Correct Answer: D

#### **QUESTION 9**

Refer to the exhibits. Exhibit A:

ID	Name	Source	Destination	Criteria	Members
🖃 IPv4 🕄					
1	Google.ICMP	🚍 all	G Google-ICMP	Latency	port1  port2
2	Vimeo	🔳 all	Vimeo		🖻 port2 🛇
3	All_Access_Rules	💷 all	📼 all		🔳 port1 🛇

#### Exhibit B:

C 🛓 O Add Fil	ter					🕞 🔹 🖽 Details
Date/Time	Source	Destination	Application Name	Result	Policy	Destination Interface
2020/10/15 11:12:27	10.0.1.10	mi 151.101.250.109 (i.vimeocdn.com)	Vimeo	✓ UTM Allowed	Internet Access (1)	m port2
2020/10/15 11:12:22	10.0.1.10	34.120.15.67 (fresnel-events.vimeocdn.com)	Vimeo	✓ 2.00 kB / 4.33 kB	Internet Access (1)	n port1
2020/10/15 11:12:20	10.0.1.10	5 172.217.13.227 (ocsp.pki.goog)	2 OCSP	✓ 1.28 kB / 1.49 kB	Internet Access (1)	m port1
2020/10/15 11:12:07	10.0.1.10	3.47.205.151 (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	1 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	599.84.221.62 (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 distributes traffic. Based on the exhibits, what are two expected behaviors when FortiGate processes SD-WAN traffic? (Choose two.)

A. The first Vimeo session may not match the Vimeo SD-WAN rule because the session is used for the application learning phase.

B. The implicit rule overrides all other rules because parameters widely cover sources and destinations.

C. The Vimeo SD-WAN rule steers Vimeo application traffic among all SD-WAN member interfaces.

D. SD-WAN rules are evaluated in the same way as firewall policies: from top to bottom.

Correct Answer: AD

#### **QUESTION 10**

Which two statements about SD-WAN central management are true? (Choose two.)

- A. It does not allow you to monitor the status of SD-WAN members.
- B. It is enabled or disabled on a per-ADOM basis.
- C. It is enabled by default.
- D. It uses templates to configure SD-WAN on managed devices.

Correct Answer: BD

#### **QUESTION 11**

Which three parameters are available to configure SD-WAN rules? (Choose three.)

- A. Application signatures
- B. Type of physical link connection
- C. URL categories
- D. Source and destination IP address
- E. Internet service database (ISDB) address object

Correct Answer: ADE

#### **QUESTION 12**

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.

Correct Answer: A

### **QUESTION 13**

Refer to the exhibit.

All VPN Communities	Dial up	Name : Number of VPN : Authentication:	H2S 3 Pre-shared Key	IKE Security (Phase 1) Properties: IPsec Security (Phase 2) Properties:	aes128-sha256, aes256-sha256, aes128- sha1, aes256-sha1 aes128-sha1, aes256-sha1, aes128-sha256, aes256-sha256, aes128gcm, aes256gcm, chacha20poly1305	E
	+ Create New ~	Edit 🖫 Clone 🗐	Delete 🔓 Colum	nn Settings 🕶		(
			Default VP	N Interface Protected Subr	et	
	O Name	Role				
	Name	Role	1 port1	SSLVPN_TUN		
					INEL_ADDR1	

SD-WAN 6.4.5 Guide Page 76. https://docs.fortinet.com/document/fortigate/7.2.1/administration-guide/22371/sd-wan-rules-best-quality

What must you configure to enable ADVPN?

A. On the hub VPN, only the device needs additional phase one sett

B. ADVPN should only be enabled on unmanaged FortiGate devices.

C. Each VPN device has a unique pre-shared key configured separately on phase one

D. The protected subnets should be set to address object to all (0.0 .0. 0/0).

Correct Answer: D

SD-WAN 6.4.5 Study Guide. pg 210

#### **QUESTION 14**

Refer to the exhibit.

set status e	enable
set load-bal	lance-mode source-ip-based
config membe	
edit 1	
	<pre>set interface "port1"</pre>
	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	
nd	

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.

Correct Answer: CD

### **QUESTION 15**

Refer to Exhibit:

set interface "port1" set peertype any set proposal aes128-sha256 aes2 set add-route enable set dhgrp 14 15 19 set xauthtype auto set authusrgrp "first-group" set psksecret fortinet1	set type dynamic
set proposal aes128-sha256 aes2 set add-route enable set dhgrp 14 15 19 set xauthtype auto set authusrgrp "first-group"	set interface "port1"
set add-route enable set dhgrp 14 15 19 set xauthtype auto set authusrgrp "first-group"	set peertype any
set dhgrp 14 15 19 set xauthtype auto set authusrgrp "first-group"	set proposal aes128-sha256 aes2
set xauthtype auto set authusrgrp "first-group"	set add-route enable
set authusrgrp "first-group"	set dhgrp 14 15 19
	set xauthtype auto
set psksecret fortinet1	set authusrgrp "first-group"
	set psksecret fortinet1

Which statement is correct it the responder FortiGate is using a dynamic routing protocol over the IPsec VPN interface?

- A. The phase 1 type must be changed to static for dynamic routing.
- B. Only dial-up connections without XAuth can be used for the dynamic routing
- C. add-route must be disabled to prevent FortiGate from installing VPN static routes
- D. peertype must be set to accept only one peer ID for a unique VPN interface

Correct Answer: C

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