

Fortinet

NSE4_FGT-7.0
Fortinet NSE 4 - FortiOS 7.0

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Latest Version: 8.1

Question: 1

Refer to Exhibit.

+ Create New Edit Delete			
	Interfaces	Gateway	Cost
	virtual-wan-link		
•	port1	10.200.1.254	15
•	port2	10.200.2.254	5
•	port3	10.200.3.254	5
•	port4	10.200.4.254	1

Name **SLA_1**

Detection Mode **Active** Passive Prefer Passive

Protocol **Ping** HTTP DNS

Servers 4.2.2.2
4.2.2.1

Participants All SD-WAN Members **Specify**

port1
port2
port3
port4
+

Enable probe packets ☒

SLA Target ☒

Latency threshold ☒ 50 ms

Jitter threshold ☒ 5 ms

Packet Loss threshold ☒ 0 %

Outgoing Interfaces

Select a strategy for how outgoing interfaces will be chosen.

☐ Manual
Manually assign outgoing interfaces.

☐ Best Quality
The interface with the best measured performance is selected.

☒ **Lowest Cost (SLA)**
The interface that meets SLA targets is selected. When there is a tie, the interface with the lowest assigned cost is selected.

☐ Maximize Bandwidth (SLA)
Traffic is load balanced among interfaces that meet SLA targets.

Interface preference port1
port2
port3

```
NGFW-1 # diagnose sys sdwan health-check
Health Check(SLA_1):
Seq(1 port1): state(alive), packet-loss(0.000%) latency(21.566), jitter(2.685) sla_map=0x1
Seq(2 port2): state(alive), packet-loss(0.000%) latency(34.349), jitter(3.887) sla_map=0x1
Seq(3 port3): state(alive), packet-loss(0.100%) latency(31.476), jitter(3.254) sla_map=0x1
Seq(4 port4): state(alive), packet-loss(2.130%) latency(46.229), jitter(4.287) sla_map=0x1
```

Refer to Exhibit. The exhibit shows the configuration for the SD-WAN member, Performance SLA, and SD-WAN Rule, as well as the output of diagnose sys virtual-wan- link health-check. Which interface will be selected as an outgoing interface?

- A. port2
- B. port3
- C. port4
- D. port1

Answer: A

Port 2 because of its lowest cost against Port1

Question: 2

Which two statements about FortiGate FSSO agentless polling mode are true? (Choose two.)

- A. FortiGate uses the AD server as the collector agent.
- B. FortiGate uses the SMB protocol to read the event viewer logs from the DCs.
- C. FortiGate does not support workstation check.
- D. FortiGate directs the collector agent to use a remote LDAP server.

Answer: B D

Explanation:

Reference: <https://kb.fortinet.com/kb/documentLink.do?externalID=FD47732>

Question: 3

FortiGuard categories can be overridden and defined in different categories. To create a web rating override for example.com home page, the override must be configured using a specific syntax. Which two syntaxes are correct to configure web rating for the home page? (Choose two.)

- A. www.example.com:443
- B. www.example.com
- C. example.com
- D. www.example.com/index.html

Answer: B C

Explanation:

When using FortiGuard category filtering to allow or block access to a website, one option is to make a web rating override and define the website in a different category. Web ratings are only for host names— "no URLs or wildcard characters are allowed".

Question: 4

Exhibit A

Edit Policy

Inspection Mode **Flow-based** Proxy-based

Firewall / Network Options

NAT ☒

IP Pool Configuration **Use Outgoing Interface Address**
Use Dynamic IP Pool

Preserve Source Port ☐

Protocol Options **PRXC** default

Security Profiles

AntiVirus ☒ **AV** default

Web Filter ☐

DNS Filter ☐

Application Control ☐

IPS ☐

SSL Inspection ⚠ **SSL** deep-inspection

Decrypted Traffic Mirror ☐

Exhibit B

Edit AntiVirus Profile

Name: default

Comments: Scan files and block viruses. 29/255

Detect Viruses: **Block** Monitor

Feature set: **Flow-based** Proxy-based

Inspected Protocols

- HTTP ☒
- SMTP ☒
- POP3 ☒
- IMAP ☒
- FTP ☒
- CIFS ☐

APT Protection Options

- Treat Windows Executables in Email Attachments as Viruses ☒
- Include Mobile Malware Protection ☒

Virus Outbreak Prevention ⓘ

- Use FortiGuard Outbreak Prevention Database ☐
- Use External Malware Block List ⓘ ⚠ ☐

Refer to the exhibits to view the firewall policy (Exhibit A) and the antivirus profile (Exhibit B). Which statement is correct if a user is unable to receive a block replacement message when downloading an infected file for the first time?

- A. The firewall policy performs the full content inspection on the file.
- B. The flow-based inspection is used, which resets the last packet to the user.
- C. The volume of traffic being inspected is too high for this model of FortiGate.
- D. The intrusion prevention security profile needs to be enabled when using flow-based inspection mode.

Answer: B

Explanation:

- "ONLY" If the virus is detected at the "START" of the connection, the IPS engine sends the block replacement message immediately
- When a virus is detected on a TCP session (FIRST TIME), but where "SOME PACKETS" have been already forwarded to the receiver, FortiGate "resets the connection" and does not send the last piece of the file. Although the receiver got most of the file content, the file has been truncated and therefore, can't be opened. The IPS engine also caches the URL of the infected file, so that if a "SECOND ATTEMPT" to transmit the file is made, the IPS engine will then send a block replacement message to the client instead of scanning the file again.

In flow mode, the FortiGate drops the last packet killing the file. But because of that the block replacement message cannot be displayed. If the file is attempted to download again the block message will be shown.

Question: 5

Which three options are the remote log storage options you can configure on FortiGate?
(Choose three.)

- A. FortiCache
- B. FortiSIEM
- C. FortiAnalyzer
- D. FortiSandbox
- E. FortiCloud

Answer: B C E

Explanation:

Reference: <https://docs.fortinet.com/document/fortigate/6.0.0/handbook/265052/logging-andreporting-overview>

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