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Exam : **NSE7**

Title : NSE7 Enterprise Firewall - FortiOS 5.4

Vendor : Fortinet

Version : DEMO

NO.1 Which the following events can trigger the election of a new primary unit in a HA cluster? (Choose two.)
A. The FortiGuard license for the primary unit is updated.
B. A secondary unit is removed from the HA cluster.
C. One of the monitored interfaces in the primary unit is disconnected.
D. Primary unit stops sending HA heartbeat keepalives.
Answer: A,D

NO.2 Examine the output of the 'diagnose ips anomaly list' command shown in the exhibit; then answer the question below.

```
# diagnose ips anomaly list

list nids meter:
id=ip_dst_session      ip=192.168.1.10    dos_id=2  exp=3646  pps=0  freq=0
id=udp_dst_session     ip=192.168.1.10    dos_id=2  exp=3646  pps=0  freq=0
id=udp_scan            ip=192.168.1.110   dos_id=1  exp=649   pps=0  freq=0
id=udp_flood           ip=192.168.1.110   dos_id=2  exp=653   pps=0  freq=0
id=tcp_src_session     ip=192.168.1.110   dos_id=1  exp=5175  pps=0  freq=8
id=tcp_port_scan       ip=192.168.1.110   dos_id=1  exp=175   pps=0  freq=0
id=ip_src_session      ip=192.168.1.110   dos_id=1  exp=5649  pps=0  freq=30
id=udp_src_session     ip=192.168.1.110   dos_id=1  exp=5649  pps=0  freq=22
```

Which IP addresses are included in the output of this command?
A. Those whose traffic matches a DoS policy.
B. Those whose traffic matches an IPS sensor.
C. Those whose traffic was detected as an anomaly by an IPS sensor.
D. Those whose traffic exceeded a threshold of a matching DoS policy.
Answer: A

NO.3 Which of the following statements are correct regarding application layer test commands? (Choose two.)
A. They display real-time application debugs.
B. Some of them can be used to restart an application.
C. Some of them display statistics and configuration information about a feature or process.
D. They are used to filter real-time debugs.
Answer: A,C

NO.4 View the exhibit, which contains a partial output of an IKE real-time debug, and then answer the question below.

```
ike 0:H2S_0_1: shortcut 10.200.5.1.:0   10.1.2.254->10.1.1.254
…
ike 0:H2S_0_1:15:  sent IKE msg (SHORTCUT-OFFER):  10.200.1.1:500->10.200.5.1:500,
len=164, id=4134df8580d5cdd/ce54851612c7432f:a21f14fe
ike 0: comes 10.200.5.1:500->10.200.1.1:500,ifindex=3….
ike 0: IKEv1 exchange=Informational id=4134df8580d5bcdd/ce54851612c7432f:6266ee8c
len=196

ike 0:H2S_0_1:15: notify msg received: SHORTCUR-QUERY
ike 0:H2S_0_1: recv shortcut-query 16462343159772385317

ike 0:H2S_0_0:16:  senr IKE msg (SHORTCUT-QUERY): 10.200.1.1:500->10.200.3.1:500,
len=196, id=7c6b6cca6700a935/dba061eaf51b89f7:b326df2a
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=3….
ike 0: IKEv1 exchange=Informational id=7c6b6cca6700a935/dba061eaf51b89f7:1c1dbf39
len=188

ike 0:H2S_0_0:16: notify msg received: SHORTCUT-REPLY
ike 0:H2S_0_0: recv shortcut-reply 16462343159772385317
f97a7565a441e2aa/667d3e2e3442211e 10.200.3.1 to 10.1.2.254 psk 64
ike 0:H2S_0_0: shortcut-reply route to 10.1.2.254 via H2S_0_1 29
ike 0:H2S: forward shortcut-reply 16462343159772385317
f97a7565a441e2aa/667d3e2e3442211e 10.200.3.1 to 10.1.2.254 psk 64 ttl 31
ike 0:H2S_0_1:15: enc
…
ike 0:H2S_0_1:15: sent IKE msg (SHORTCUT-REPLY): 10.200.1.1:500->10.200.5.1:500,
len=188, id=4134df8580d5bcdd/ce54851612c7432f:70ed6d2c
```

Based on the debug output, which phase-1 setting is enabled in the configuration of this VPN?

A. auto-discovery-sender

B. auto-discovery-receiver

C. auto-discovery-forwarder

D. auto-discovery-shortcut

Answer: D

NO.5 An administrator is running the following sniffer in a FortiGate:

diagnose sniffer packet any "host 10.0.2.10" 2

What information is included in the output of the sniffer? (Choose two.)

A. Ethernet headers.

B. Port names.

C. IP headers.

D. IP payload.

Answer: C,D

NO.6 Examine the following partial output from a sniffer command; then answer the question below.

```
# diagnose sniff packet any 'icmp' 4
interfaces= [any]
filters = [icmp]
2.101199 wan2 in 192.168.1.110-> 4.2.2.2: icmp: echo request
2.101400 wan1 out 172.17.87.16-> 4.2.2.2: icmp: echo request
.....
2.123500 wan2 out 4.2.2.2-> 192.168.1.110: icmp: echo reply
244 packets received by filter
5 packets dropped by kernel
```

What is the meaning of the packets dropped counter at the end of the sniffer?

A. Number of total packets dropped by the FortiGate.

B. Number of packets that matched the sniffer filter but could not be captured by the sniffer.

C. Number of packets that matched the sniffer filter and were dropped by the FortiGate.

D. Number of packets that didn't match the sniffer filter.

Answer: C

NO.7 View the exhibit, which contains the partial output of a diagnose command, and then answer the question below.

```
Spoke-2 # dia vpn tunnel list
list all ipsec tunnel in vd 0
name=VPN ver=1 serial=1 10.200.5.1:0->10.200.4.1:0
bound_if=3 lgwy=static/1 tun=intf/0 mode=auto/1 encap=none/0
proxyid_num=1 child_num=0 refcnt=15 ilast=10 olast=792 auto-discovery=0
stat: rxp=0 txp=0 rxb=0 txb=0
dpd: mode=on-demand on=1 idle=20000 ms retry=3 count=0 seqno=0
natt: mode=none draft=0 interval=0 remote_port=0
proxyid=VPN proto=0 sa=1 ref=2 serial=1
  src: 0:10.1.2.0/255.255.0:0
  dst: 0:10.1.1.0/255.255.255.0:0
  SA: ref=3 options=2e type=00 soft=0 mtu=1438 expire=42403/0B replaywin=2048 seqno=1 esn=0
replaywin_lastseq=00000000
  life: type=01 bytes=0/0 timeout=43177/43200
  dec: spi=ccc1f66d esp=aes key=16 280e5cd6f9bacc65ac771556c464ffbd
     ah=sha1 key=20 c68091d68753578785de6a7a6b276b506c527efe
  enc: spi=df14200b esp=aes key=16 b02a7e9f5542b69aff6aa391738ee393
  ah=sha1 key20 889f7529887c215c25950be2ba83e6fe1a5367be
  dec:pkts/bytes=0/0, enc:pkts/bytes=0/0
```

Based on the output, which of the following statements is correct?

A. DPD is disabled.

B. Quick mode selectors are disabled.

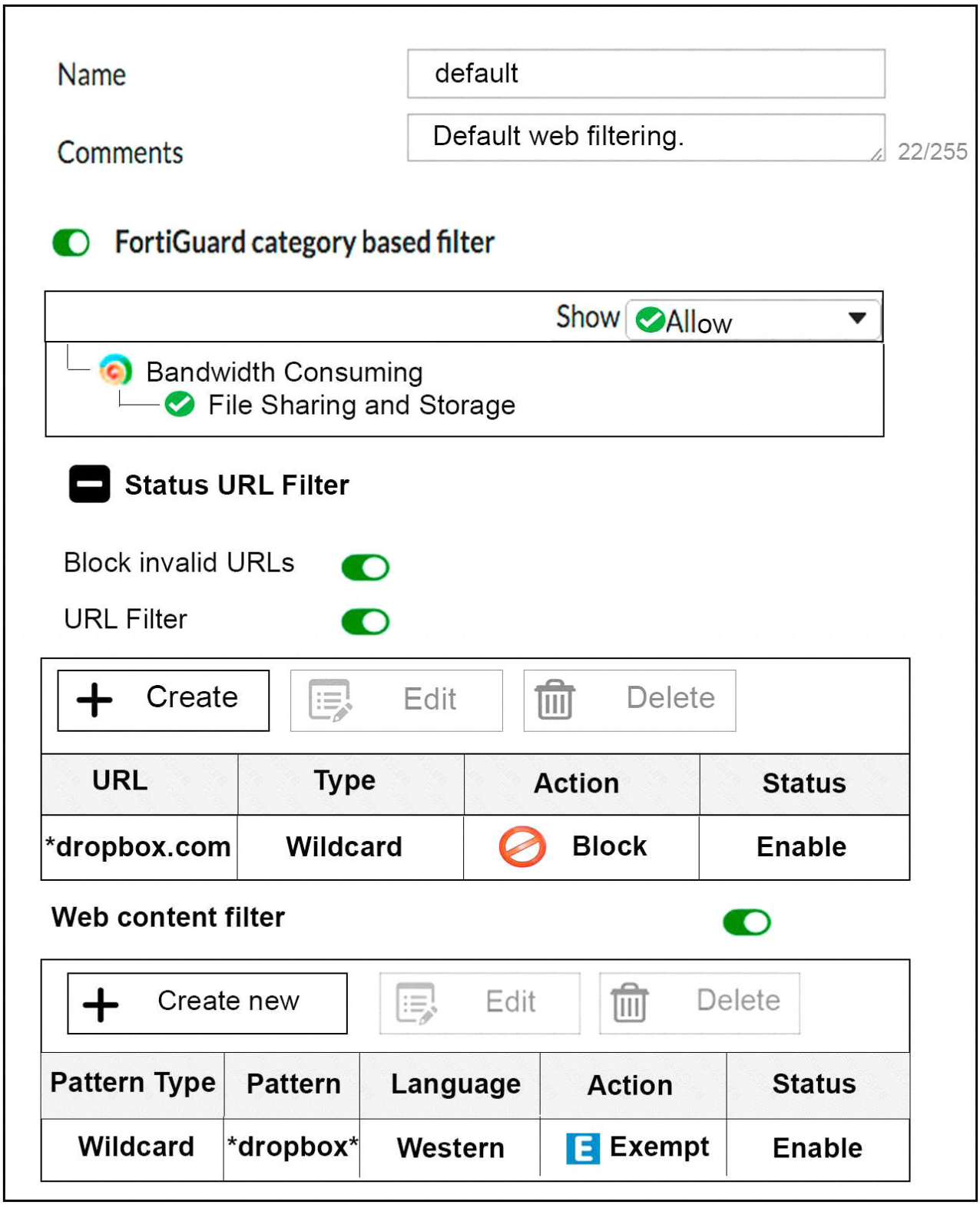
C. Anti-reply is enabled.

D. Remote gateway IP is 10.200.5.1.

Answer: C

NO.8 View the exhibit, which contains a partial web filter profile configuration, and then answer the

question below.



Which action will FortiGate take if a user attempts to access www.dropbox.com, which is categorized as File Sharing and Storage?

A. FortiGate will allow the connection based on the FortiGuard category based filter configuration.

B. FortiGate will exempt the connection based on the Web Content Filter configuration.

C. FortiGate will block the connection as an invalid URL.

D. FortiGate will block the connection based on the URL Filter configuration.
Answer: D