NSE7_EFW-6.4^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.4

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QUESTION 1

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 packets that didn\\'t match the sniffer filter.

B. Number of total packets dropped by the FortiGate.

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

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

Correct Answer: D

https://kb.fortinet.com/kb/documentLink.do?externalID=11655

QUESTION 2

Two independent FortiGate HA clusters are connected to the same broadcast domain. The administrator has reported that both clusters are using the same HA virtual MAC address. This creates a duplicated MAC address problem in the network. What HA setting must be changed in one of the HA clusters to fix the problem?

A. Group ID.

B. Group name.

C. Session pickup.

D. Gratuitous ARPs.

Correct Answer: A

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-high-availability- 52/HA_failoverVMAC.htm

QUESTION 3

Refer to the exhibit, which contains the output of diagnose sys session list.

```
# diagnose sys session list
session info: proto=6 proto_state=01 duration=73 expire=3597 timeout=3600
flags=00000000 sockflag=00000000 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
class_id=0 ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=may_dirty synced none app_ntf
statistic(bytes/packets/allow_err): org=822/11/1 reply=9037/15/1 tuples=2
orgin->sink: org pre->post, reply pre->post dev=4->2/2->4
gwy=100.64.1.254/10.0.1.10
hook=post dir=org act=snat 10.0.1.10:65464->54.192.15.182:80(100.64.1.1:65464)
hook=pre dir=reply act=dnat 54.192.15.182:80->100.64.1.1:65464(10.0.1.10:65464)
pos/(before,after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00000098 tos=ff/ff ips_view=0 app_list=0 app=0
dd_type=0 dd_mode=0
```

If the HA ID for the primary unit is zero (0), which statement about the output is true?

A. This session cannot be synced with the slave unit.

B. The inspection of this session has been offloaded to the slave unit.

C. The master unit is processing this traffic.

D. This session is for HA heartbeat traffic.

Correct Answer: C

QUESTION 4

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=shal key=20 c68091d68753578785de6a7a6b276b506c527efe
  enc: spi=df14200b esp=aes key=16 b02a7e9f5542b69aff6aa391738ee393
  ah=shal key20 889f7529887c215c25950be2ba83e6fe1a5367be
  dec:pkts/bytes=0/0, enc:pkts/bytes=0/0
```

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

A. Anti-reply is enabled.

B. DPD is disabled.

C. Quick mode selectors are disabled.

D. Remote gateway IP is 10.200.5.1.

Correct Answer: A

QUESTION 5

Which statement about memory conserve mode is true?

A. A FortiGate exits conserve mode when the configured memory use threshold reaches yellow.

B. A FortiGate starts dropping all the new and old sessions when the configured memory use threshold reaches extreme.

C. A FortiGate starts dropping new sessions when the configured memory use threshold reaches red

D. A FortiGate enters conserve mode when the configured memory use threshold reaches red

Correct Answer: D

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