NSE7_EFW-6.4^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.4

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QUESTION 1

View the exhibit, which contains the output of a debug command, and then answer the question below.

```
#dia hardware sysinfo shm
SHM counter:              150
SHM allocated:              0
SHM total:         625057792
conserve mode: on - mem
system last entered: Mon Apr 24 16:36:37 2017
sys fd last entered: n/a
SHM FS total:   641236992
SHM FS free:    641208320
SHM FS avail:   641208320
SHM FS alloc:       28672
```

What statement is correct about this FortiGate?

A. It is currently in system conserve mode because of high CPU usage.

B. It is currently in FD conserve mode.

C. It is currently in kernel conserve mode because of high memory usage.

D. It is currently in system conserve mode because of high memory usage.

Correct Answer: D

QUESTION 2

Which two statements about FortiManager is true when it is deployed as a local FDS? (Choose two.)

A. It caches available firmware updates for unmanaged devices.

B. It can be configured as an update server, or a rating server, but not both.

C. It supports rating requests from both managed and unmanaged devices.

D. It provides VM license validation services.

Correct Answer: CD

QUESTION 3

View the following FortiGate configuration.

```
config system global
    set snat-route-change disable
end
config router static
    edit 1
        set gateway 10.200.1.254
        set priority 5
        set device "port1"
    next
    edit 2
        set gateway 10.200.2.254
        set priority 10
        set device "port2"
    next
end
```

All traffic to the Internet currently egresses from port1. The exhibit shows partial session information for Internet traffic from a user on the internal network:

```
# diagnose sys session list
session info: proto=6 proto_state+01 duration=17 expire=7 timeout=3600
flags=00000000 sockflag=00000000 sockport=0 av_idx=0 use=3
ha_id=0 policy_dir=0 tunnel=/
state=may_dirty none app_ntf
statistic(bytes/packets/allow_err): org=57555/7/1 reply=23367/19/1 tuples=2
orgin->sink: org pre->post, reply pre->post dev=4->2/2->4
gwy=10.200.1.254/10.0.1.10
hook=post dir=org act=snat 10.0.1.10:64907-
>54.239.158.170:80(10.200.1.1:64907)
hook=pre dir=reply act=dnat 54.239.158.170:80-
>10.200.1.1:64907(10.0.1.10:64907)
pos/(before, after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00000294 tos=ff/ff ips_view=0 app_list=0 app=0
dd_type=0 dd_mode=0
```

If the priority on route ID 1 were changed from 5 to 20, what would happen to traffic matching that user\\'s session?

A. The session would remain in the session table, and its traffic would still egress from port1.

B. The session would remain in the session table, but its traffic would now egress from both port1 and port2.

C. The session would remain in the session table, and its traffic would start to egress from port2.

D. The session would be deleted, so the client would need to start a new session.

Correct Answer: A

http://kb.fortinet.com/kb/documentLink.do?externalID=FD40943

QUESTION 4

Refer to the exhibit, which contains partial output from an IKE real-time debug.

![Pass2Lead Logo](https://Pass2Lead.com)
```
ike 0: comes 10.0.0.2:500->10.0.0.1:500, ifindex=7. . . .
ike 0: IKEv2 exchange=Aggressive id=a2fbd6bb6394401a/06b89c022d4df682 len=426
ike 0: Remotesite:3: initiator: aggressive mode get 1st response. . .
ike 0: Remotesite:3: VID DPD AFCAD71368A1F1C96B8696FC77570100
ike 0: Remotesite:3: DPD negotiated
ike 0: Remotesite:3: VID FORTIGATE 8299031757A36082C6A621DE00000000
ike 0: Remotesite:3: peer is FortiGate/FortiOS (v0 b0)
ike 0: Remotesite:3: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3
ike 0: Remotesite:3: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3C0000000
ike 0: Remotesite:3: received peer identifier FQDN 'remote'
ike 0: Remotesite:3: negotiation result
ike 0: Remotesite:3: proposal id = 1:
ike 0: Remotesite:3:     protocol id = ISAKMP:
ike 0: Remotesite:3:          trans_id = KEY_IKE.
ike 0: Remotesite:3:          encapsulation = IKE/none.
ike 0: Remotesite:3:              type=OAKLEY_ENCRYPT_ALG, val=AES_CBC, key-len=128
ike 0: Remotesite:3:              type=OAKLEY_HASH_ALG, val=SHA.
ike 0: Remotesite:3:              type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0: Remotesite:3:              type=OAKLEY_GROUP, val=MODP1024.
ike 0: Remotesite:3: ISAKMP SA lifetime=86400
ike 0: Remotesite:3: NAT-T unavailable
ike 0: Remotesite:3: ISAKMP SA a2fbd6bb6394401a/06b89c022d4df682 key
16:39915120ED73ED73E520787C801DE3678916
ike 0: Remotesite:3: PSK authentication succeeded
ike 0: Remotesite:3: authentication OK
ike 0: Remotesite:3: add INITIAL-CONTACT
ike 0: Remotesite:3: enc
A2FBD6BB6394401A06B89C022D4DF6820810040100000000000000500B000018882A07BE09026CA8B2
ike 0: Remotesite:3: out
A2FBD6BB6394401A06B89C022D4DF682081004010000000000000005C64D5CBA90B873F150CB8B5CC2A
ike 0: Remotesite:3: sent IKE msg (agg_i2send): 10.0.0.1:500->10.0.0.2:500, len=140,
id=a2fbd6bb6394401a/
ike 0: Remotesite:3: established IKE SA a2fbd6bb6394401a/06b89c022d4df682
```

Which two statements about this debug output are correct? (Choose two.)

A. The remote gateway IP address is 10.0.0.1.

B. The initiator provided remote as its IPsec peer ID.

C. It shows a phase 1 negotiation.

D. The negotiation is using AES128 encryption with CBC hash.

Correct Answer: BC

QUESTION 5

Examine the output of the `get router info bgp summary\\' command shown in the exhibit; then answer the question below.

![Pass2Lead](https://Pass2Lead.com)
```
Student# get router info bgp summary
BGP router indentifier 10.200.1.1, local AS number 65500
BGP table version is 2
1 BGP AS-PATH entries
0 BGP community entries
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
10.200.3.1	4	65501	92	112	0	0	0	never	Connect

```
Total number of neighbors 1
```

Which statement can explain why the state of the remote BGP peer 10.200.3.1 is Connect?

A. The local peer is receiving the BGP keepalives from the remote peer but it has not received any BGP prefix yet.

B. The TCP session for the BGP connection to 10.200.3.1 is down.

C. The local peer has received the BGP prefixed from the remote peer.

D. The local peer is receiving the BGP keepalives from the remote peer but it has not received the OpenConfirm yet.

Correct Answer: B

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