Fortinet

Exam Questions FCSS_NST_SE-7.4

FCSS - Network Security 7.4 Support Engineer

NEW QUESTION 1
Exhibit.

```
# diagnose automation test HAFailOver
automation test failed(1). stitch:HAFailOver
```

Refer to the exhibit, which shows the output of diagnose automation test. What can you observe from the output? (Choose two.)

A. The automation stitch test is not being logged.
B. The automation stitch test failed but the HA failover was successful.
C. An HA failover occurred.
D. The test was unsuccessful.

Answer: AD

NEW QUESTION 2
Refer to the exhibit, which shows the output ofa debug command.

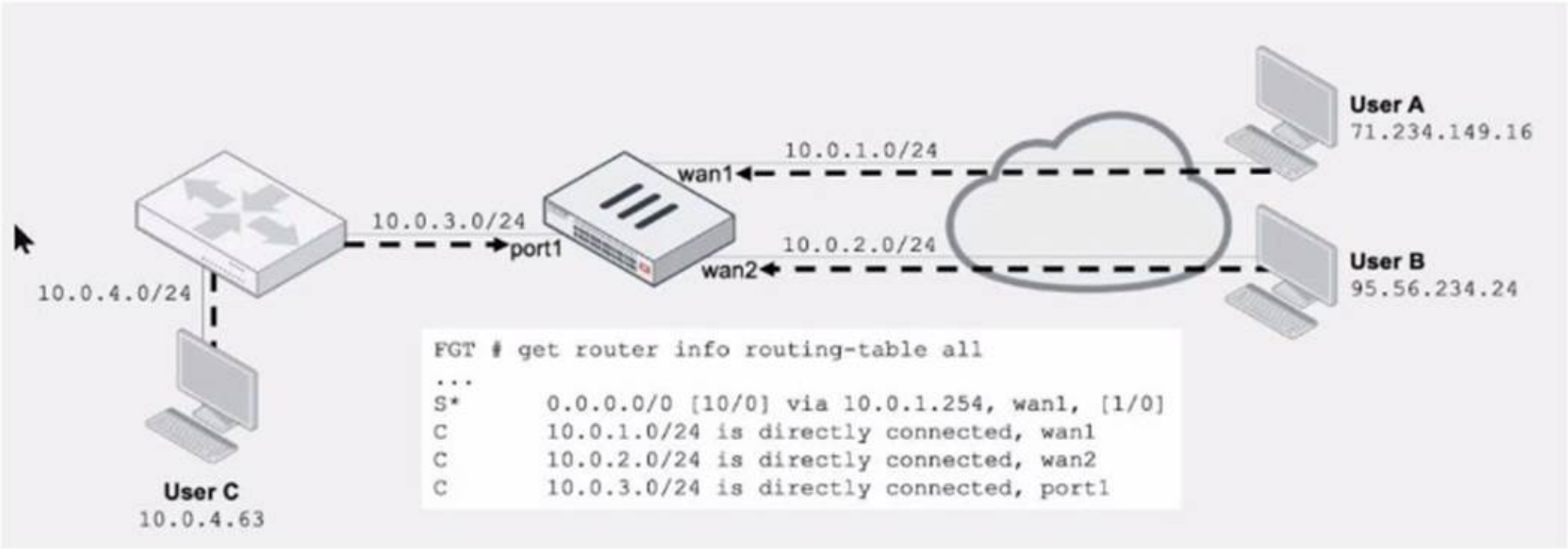
```
FGT # get router info ospf interface port4
port4 is up, line protocol is up
  Internet Address 172.20.121.236/24, Area 0.0.0.0, MTU 1500
  Process ID 0, VRF 0, Router ID 0.0.0.4, Network Type BROADCAST, Cost: 1
  Transmit Delay is 1 sec, State DROther, Priority 1

  Designated Router (ID) 172.20.140.2, Interface Address 172.20.121.2

  Backup Designated Router (ID) 0.0.0.1, Interface Address 172.20.121.239
  Timer intervals configured, Hello 10.000, Dead 40, Wait 40, Retransmit 5

    Hello due in 00:00:05
  Neighbor Count is 4, Adjacent neighbor count is 2
  Crypt Sequence Number is 411
  Hello received 106 sent 27, DD received 6 sent 3
  LS-Req received 2 sent 2, LS-Upd received 7 sent 17
  LS-Ack received 4 sent 3, Discarded 1
```

Which two statements about the output are true? (Choose two.)

A. The interlace is part of the OSPF backbone area.
B. There are a total of five OSPF routers attached to the vorz4 network segment
C. One of the neighbors has a router ID of 0.0.0.4.
D. In the network connected to port4, two OSPF routers are down.

Answer: AD

NEW QUESTION 3
Refer to the exhibit.



Assuming a default configuration, which three statements are true? (Choose three.)

A. Strict RPF is enabled by default.
B. User B: Fai
C. There is no route to 95.56.234.24 using wan2 in the routing table.
D. User A: Pas
E. The default static route through wan1 passes the RPF check regardless of the source IP address.
F. User B: Pas
G. FortiGate will use asymmetric routing using wan1 to reply to traffic for 95.56.234.24.
H. User C: Fai
I. There is no route to 10.0.4.63 using port1 in the touting table.

Answer: BDE

NEW QUESTION 4
Refer to the exhibit, which shows a partial output of the fssod daemon real-time debug command.

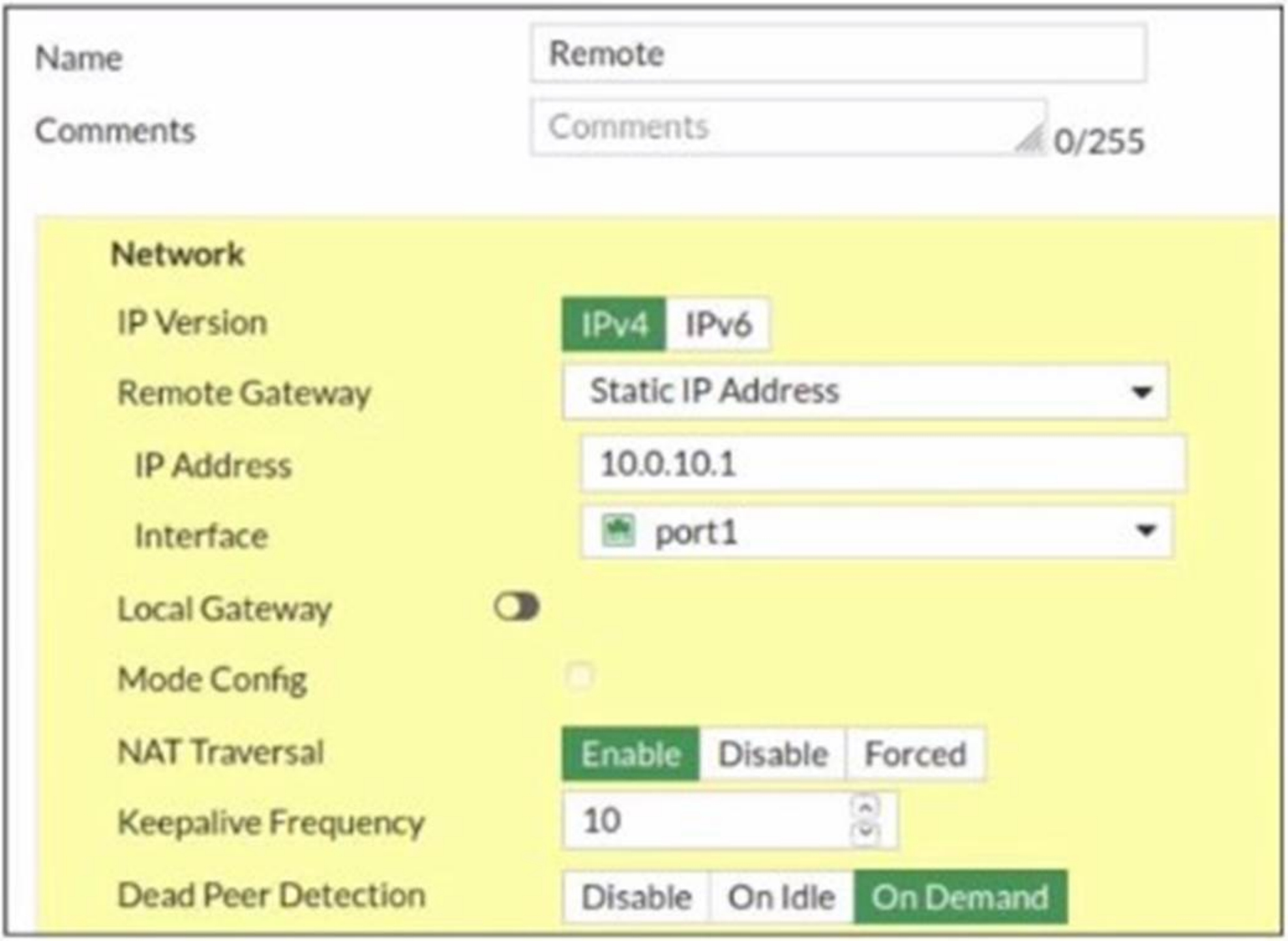
```
# diagnose debug application fssod -1
# diagnose debug enable
[fsso_svr.c:save_result:579] event_id=4768, logon=bobby, domain=FSSO workstation=, ip=10.124.2.90 port=49215, time=1372061722
```

What two conclusions can you draw Itom the output? (Choose two.)

A. The workstation with IP 10.124.2.90 will be polled frequently using TCP port 445 to see if the user is still logged on.
B. The logon event can be seen on the collector agent installed on Windows.
C. FSSO is using DC agent mode to detect logon events.
D. FSSO is using agentless polling mode to detect logon events.

Answer: AD

NEW QUESTION 5
Exhibit.



Refer to the exhibit, which contains a screenshot of some phase 1 settings.
The VPN is not up. To diagnose the issue, the administrator enters the following CLI commands on an SSH session on FortiGate:

```
diagnose vpn ike log-filter dst-addr4 10.0.10.1
diagnose debug application ike -1
```

However, the IKE real-time debug does not show any output. Why?

A. The administrator must also run the command diagnose debug enable.
B. The debug shows only error message
C. If there is no output, then the phase 1 and phase 2 configurations match.
D. The log-filter setting is incorrec
E. The VPN traffic does not match this filter.
F. Replace diagnose debug application ike -1 with diagnose debug application ipsec -1.

Answer: A

NEW QUESTION 6
In which two slates is a given session categorized as ephemeral? (Choose two.)

A. A UDP session with only one packet received
B. A UOP session with packets sent and received
C. A TCP session waiting for the SYN ACK
D. A TCP session waiting for FIN ACK

Answer: AC

NEW QUESTION 7
Which exchange lakes care of DoS protection in IKEv2?

A. Create_CHILD_SA
B. IKE_Auth
C. IKE_Req_INIT
D. IKE_SA_NIT

Answer: C

NEW QUESTION 8
Exhibit.

```
NGFW-1 # get sys ha status
HA Health Status: OK
Model: FortiGate-VM64
Mode: HA A-P
Group: 0
Debug: 0
Cluster Uptime: 0 days 0:1:25
Cluster state change time: 2023-04-18 12:07:47
Primary selected using:
   <2023/04/18 12:07:47> FGVM010000077649 is selected as the primary because its override priority is larger than peer member
FGVM010000077650.
ses_pickup: disable
override: disable
Configuration Status:
    FGVM010000077649(updated 4 seconds ago): in-sync
    FGVM010000077650(updated 1 seconds ago): out-of-sync
System Usage stats:
    FGVM010000077649(updated 4 seconds ago):
        sessions=166, average-cpu-user/nice/system/idle=1%/0%/0%/99%, memory=45%
    FGVM010000077650(updated 1 seconds ago):
        sessions=3, average-cpu-user/nice/system/idle=0%/0%/0%/100%, memory=44%
HBDEV stats:
    FGVM010000077649(updated 4 seconds ago):
        port7: physical/1000auto, up, rx-bytes/packets/dropped/errors=167663/567/0/0, tx=262623/656/0/0
    FGVM010000077650(updated 1 seconds ago):
        port7: physical/1000auto, up, rx-bytes/packets/dropped/errors=271373/680/0/0, tx=176013/592/0/0
Primary     : NGFW-1          , FGVM010000077649, HA cluster index = 1
Secondary   : NGFW-2          , FGVM010000077650, HA cluster index = 0
number of vcluster: 1
vcluster 1: work 169.254.0.2
Primary: FGVM010000077649, HA operating index = 0
Secondary: FGVM010000077650, HA operating index = 1
```

Refer to theexhibit,which shows the output of getsystem ha status. NGFW-1 and NGFW-2 have been up for a week.
Which two statements about the output are true? (Choose two.)

A. If a configuration change is made to the primary FortiGate at this time, the secondary will initiate a synchronization reset.
B. If port 7 becomes disconnected on the secondary, both FortiGate devices will elect itself as primary.
C. If FGVM...649 is reboote
D. FGVM...650 will become the primary and retain that role, even after FGVM...649 rejoins the cluster.
E. If no action is taken, the primary FortiGate will leave the cluster because of the current sync status.

Answer: BC

NEW QUESTION 9
Which two statements about an auxiliary session ate true? (Choose two.)

A. With the auxiliary session selling disabled, only auxiliary sessions are offloaded.
B. With the auxiliary session setting enable
C. ECMP traffic is accelerated to the NP6 processor.
D. With the auxiliary session setting enable
E. Iwo sessions are created in case of routing change.
F. With the auxiliary session setting disabled, for each traffic pat
G. FortiGate uses the same auxiliary session.

Answer: BC

NEW QUESTION 10
Refer to the exhibit, which shows the output of get router info bgp summary.

```
get router info bgp summary

VRF 0 BGP router identifier 172.16.1.254, local AS number 65100
BGP table version is 3
2 BGP AS-PATH entries
0 BGP community entries

Neighbor        V         AS MsgRcvd MsgSent   TblVer  InQ OutQ Up/Down  State/PfxRcd
100.64.1.254    4        100      18      20        3    0    0 00:02:55        1
100.64.2.254    4        100      0        0        0    0    0 never         Active

Total number of neighbors 2
```

Which two statements are true? (Choose two.)

A. The local ForliGate has received one prefix from BGP neighbor 100.64.1.254.
B. The TCP connection with BGP neighbor 100.64.2.254 was successful.

C. The local FortiGate has received 18 packets from a BGP neighbor.
D. The local FortiGate is still calculating the prefixes received from BGP neighbor 100.64.2.264

Answer: AC

NEW QUESTION 10
Refer to the exhibit.

```
# diagnose sys top
Run Time:  0 days, 0 hours and 18 minutes
0U, 0N, 1S, 95I, 0WA, 0HI, 0SI, 0ST; 16063, 12523F
          pyfcgid      248      S      2.9      3.8   9
           newcli      251      R      0.1      1.0   5
  merged_daemons      185      S      0.1      0.7   6
          miglogd      177      S      0.0      6.8   0
          pyfcgid      249      S      0.0      3.0   2
          pyfcgid      246      S      0.0      2.8   5
          reportd      197      S      0.0      2.7   2
          cmdbsvr      113      S      0.0      2.4   7
```

Which three pieces of information does the diagnose sys top command provide? (Choose three.)

A. The miglogd daemon is running on CPU core ID 0.
B. The diagnose sys top command has been running for 18 minutes.
C. The miglogd daemon would be on top of the list, if the administrator pressed m on the keyboard.
D. The cmdbsvr process is occupying 2.4% of the total user memory space.
E. If the neweli daemon continues to be in the R state, it will need to be manually restarted.

Answer: ABD

NEW QUESTION 11
Exhibit.

```
ike 0: comes 10.0.0.2:500->10.0.0.1:500,ifindex=7.
ike 0: IKEv1 exchange=Aggressive id=a2fbd6bb6394401a/06b89c022d4df682 len=426
ike 0: Remotesite:3: initiator: aggressive mode get 1st response.
ike 0: Remotesite:3: VID DD AFCAD71368A1F1C96B8696FC77570100
ike 0: Remotesite:3: DPD negotiated                FC77570100
ike 0: Remotesite:3: VID FORTIGATE 8299031757A3608
ike 0: Remotesite:3: peer is Fortifate/Fartios, (v2C6A621DE00000000
ike 0: Remotesite:3: VID FRAGMENTATION 4048B7D56EB0 bo)
ike 0: Remotesite:3: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3
ike 0: Remotesite:3: received peer identifier FQDNCE88525E7DE7F00D6C2D3C0000000
ike 0: Remotesite:3: negotiation result            'remote"
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/
ike 0: Remotesite:3:              type=OAKLEY _ENCnone
ike 0: Remotesite:3:              type=OAKLEY HASHRYPT _ALG, val=AES CBC, key-len=128
ike 0: Remotesite:3:           type=AUTH METHOD, va ALG, val=SHA.
ike 0: Remotesite:3:           type=OAKLEY _GROUP, l=PRESHARED KEY.
ike 0: Remotesite:3: ISAKMP SA lifetime=86400      val=MODP1024.
ike 0: Remotesite:3: NAT-T unavailable
ike 0: Remotesite:3: ISAKMP SA a2fbd6bb6394401a/06
ike 0: Remotesite:3: ISAKMP SA a2fbd6bb6394401a/06b89c022d4df682 key 16:39915120ED73E520787C801DE3678916
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 A2FBD6BB6394401A06B89C022D4DF68208100401000000000000000500B000018882A07809026CA8B2
ike 0: Remotesite:3: out A2FBD6BB6394401A06B89C022D4DF68208100401000000000000005C64D5CBA90B873F150CB8B5CCZA
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/06689c022d4df682
```

Refer to the exhibit, which contains partial output from an IKE real-time debug. Which two statements about this debug output are correct? (Choose two.)

A. Perfect Forward Secrecy (PFS) is enabled in the configuration.
B. The local gateway IP address is 10.0.0.1.
C. It shows a phase 2 negotiation.
D. The initiator provided remote as its IPsec peer ID.

Answer: CD

NEW QUESTION 12
Refer to the exhibit, which shows partial outputs from two routing debug commands.

```
FortiGate # get router info kernel
tab=254 vf=0 scope=0 type=1 proto=11 prio=0 0.0.0.0/0.0.0.0/0->0.0.0.0/0 pref=0.0.0.0 qwy=100.64.1.254 dev=3 (port1)
tab=254 vf=0 scope=0 type=1 proto=11 prio=10 0.0.0.0/0.0.0.0/0->0.0.0.0/0 pref=0.0.0.0 gwy=100.64.2.254 dev=6 (port2)
tab=254 vf=0 scope=253 type=1 proto=2 prio=0 0.0.0.0/0.0.0.0/0->10.1.0.0/24 pref=10.1.0.254 gwy=0.0.0.0 dev=9 (port3)

FortiGate # get router info routing-table all

Routing table for VRF=0
S*          0.0.0.0/0 [10/0] via 100.64.1.254, port1
                             [10/0] via 100.64.2.254, port2, [10/0]
C           10.1.0.0/24 is directly connected, port3
S           10.1.10.0/24 [10/0] via 10.1.0.1, port3
C           100.64.1.0/24 is directly connected, port1
C           100.64.2.0/24 is directly connected, port2
```

Which change must an administrator make on FortiGate to route web traffic from internal users to the internet, using ECMP?

A. Set snat-route-change to enable.
B. Set the priority of the static default route using port2 to 1.
C. Set preserve-session-route to enable.
D. Set the priority of the static default route using port1 to 10.

Answer: D

NEW QUESTION 15
Exhibit.

```
# diagnose hardware sysinfo memory
MemTotal:          2055916 kB
MemFree:            708880 kB
Buffers:             22140 kB
Cached:             641364 kB
SwapCached:              0 kB
Active:             726352 kB
Inactive:            98908 kB
```

Refer to the exhibit, which shows a partial output of diagnose hardware aysinfo memory. Which two statements about the output are true? (Choose two.)

A. There are 98908 kB o! memory that will never be used.
B. The user space has 708880 kB of physical memory that is not used by the system.
C. The I/O cache, which has 641364 kB of memory allocated to it.
D. The value indicated next to the inactive heading represents the currently unused cache page.

Answer: AD

NEW QUESTION 17
Refer to the exhibit, which shows a session entry.

```
session_info: proto=1 proto_state=00 duration=1 expire=59 timeout=0 flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=log may_dirty none
statistic (bytes/packets/allow_err): org=168/2/1 reply=168/2/1 tuples=2
tx speed (Bps/kbps) : 97/0 rx speed (Bps/kbps) : 97/0
orgin->sink: org pre->post, reply pre->post dev=9->3/3->9 gwy=10.200.1.254/10.1.0.1
hook=post dir=org act=snat 10.1.10.10:40602->10.200.5.1:8 (10.200.1.1:60430)
hook=pre dir=reply act=dnat 10.200.5.1:60430->10.200.1.1:0(10.1.10.10:40602)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=0002a5c9 tos=ff/ff app_list=0 app=0 url_cat=0
dd_type=0 dd_mode=0
```

Which statement about this session is true?

A. Return traffic to the initiator is sent to 10.1.0.1.
B. Return traffic to the initiator is sent lo 10.200.1.254.
C. It is an ICMP session from 10.1.10.10 to 10.200.1.1.
D. It is an ICMP session from 10.1.10.1 to 10.200.5.1.

Answer: D

NEW QUESTION 18
What are two reasons you might see iprope_in_check() check failed, drop when using the debug flow? (Choose two.)

A. Packet was dropped because of policy route misconfiguration.
B. Packet was dropped because of traffic shaping.
C. Trusted host list misconfiguration.
D. VIP or IP pool misconfiguration.

Answer: CD

NEW QUESTION 21
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