Exam Questions NSE7_EFW-7.0

Fortinet NSE 7 - Enterprise Firewall 7.0

https://www.2passeasy.com/dumps/NSE7_EFW-7.0/

NEW QUESTION 1
Examine the IPsec configuration shown in the exhibit; then answer the question below.

Name	Remote
Comments	Comments

Network
IP Version	⦿ IPv4 ○ IPv6
Remote Gateway	Static IP Address ☑
IP Address	10.0.10.1
Interface	port1 ☑
Mode Config	☐
NAT Traversal	☑
Keepalive Frequency	10
Dead Peer Detection	☑

An administrator wants to monitor the VPN by enabling the IKE real time debug using these commands: diagnose vpn ike log-filter src-addr4 10.0.10.1
diagnose debug application ike -1 diagnose debug enable
The VPN is currently up, there is no traffic crossing the tunnel and DPD packets are being interchanged
between both IPsec gateways. However, the IKE real time debug does NOT show any output. Why isn't there any output?

A. The IKE real time shows the phases 1 and 2 negotiations onl
B. It does not show any more output once the tunnel is up.
C. The log-filter setting is set incorrectl
D. The VPN's traffic does not match this filter.
E. The IKE real time debug shows the phase 1 negotiation onl
F. For information after that, the administrator must use the IPsec real time debug instead: diagnose debug application ipsec -1.
G. The IKE real time debug shows error messages onl
H. If it does not provide any output, it indicates that the tunnel is operating normally.

Answer: B

NEW QUESTION 2
Refer to the exhibit, which contains the output of a BGP debug command.

```
FGT # get router info bgp summary
BGP router identifier 0.0.0.117, local AS number 65117
BGP table version is 104
3 BGP AS-PATH entries
0 BGP community entries

Neighbor        V    AS  MsgRcvd MsgSent TblVer InQ OutQ Up/Down  State/PfxRcd
10.125.0.60     4 65060 1698    1756    103    0   0    03:02:49      1
10.127.0.75     4 65075 2206    2250    102    0   0    02:45:55      1
100.64.3.1      4 65501 101     115     0      0   0    never     Active

Total number of neighbors 3
```

Which statement about the exhibit is true?

A. The local router has received a total of three BGP prefixes from all peers.
B. The local router has not established a TCP session with 100.64.3.1.
C. Since the counters were last reset, the 10.200.3.1 peer has never been down.
D. The local router BGP state is OpenConfirm with the 10.127.0.75 peer.

Answer: B

NEW QUESTION 3
Refer to the exhibit, which shows a central management configuration.

```
config system central-management
    set type fortimanager
    set fmg "10.0.1.242"
    config server-list
        edit 1
            set server-type rating
            set addr-type ipv4
            set server-address 10.0.1.240
        next
        edit 2
            set server-type update
            set addr-type ipv4
            set server-address 10.0.1.243
        next
        edit 3
            set server-type rating
            set addr-type ipv4
            set server-address 10.0.1.244
        next
    end
    set include-default-servers enable
end
```

Which server will FortiGate choose for web filter rating requests, if 10.0.1.240 is experiencing an outage?

A. Public FortiGuard servers
B. 10.0.1.243
C. 10.0.1.242
D. 10.0.1.244

Answer: D

Explanation:
by default,(include-default-servers) enabled .this allows fortigate to communicate with the public fortiguard servers , if the fortimanger devices (configured in server-list) are unavailable .

NEW QUESTION 4
An administrator has decreased all the TCP session timers to optimize the FortiGate memory usage. However, after the changes, one network application started to have problems. During the troubleshooting, the administrator noticed that the FortiGate deletes the sessions after the clients send the SYN packets, and before the arrival of the SYN/ACKs. When the SYN/ACK packets arrive to the FortiGate, the unit has already deleted the respective sessions. Which TCP session timer must be increased to fix this problem?

A. TCP half open.
B. TCP half close.
C. TCP time wait.
D. TCP session time to live.

Answer: A

Explanation:
http://docs-legacy.fortinet.com/fos40hlp/43prev/wwhelp/wwhimpl/common/html/wwhe
lp.htm?context=fgt&file=CLI_get_Commands.58.25.html
The tcp-halfopen-timer controls for how long, after a SYN packet, a session without SYN/ACKremains in the table.
The tcp-halfclose-timer controls for how long, after a FIN packet, a session without FIN/ACKremains in the table.
The tcp-timewait-timer controls for how long, after a FIN/ACK packet, a session remains in thetable. A closed session remains in the session table for a few seconds more to allow any out-of-sequence packet.

NEW QUESTION 5
The CLI command set intelligent-mode <enable | disable> controls the IPS engine's adaptive scanning behavior. Which of the following statements describes IPS adaptive scanning?

A. Determines the optimal number of IPS engines required based on system load.
B. Downloads signatures on demand from FDS based on scanning requirements.
C. Determines when it is secure enough to stop scanning session traffic.
D. Choose a matching algorithm based on available memory and the type of inspection being performed.

Answer: C

Explanation:
Configuring IPS intelligenceStarting with FortiOS 5.2, intelligent-mode is a new adaptive detection method. This command is enabled the default and it means that

the IPS engine will perform adaptive
scanning so that, for some traffic, the FortiGate can quickly finish scanning and offload the traffic to NPU or kernel. It is a balanced method which could cover all known exploits. When disabled, the IPS engine scans every single byte.
config ips globalset intelligent-mode {enable|disable}end

NEW QUESTION 6
Refer to the exhibit, which contains partial output from an IKE real-time debug.

```
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
A2FBD6BB6394401A06B89C022D4DF682081004010000000000000500B000018882A07BE09026CA8B2
ike 0: Remotesite:3: out
A2FBD6BB6394401A06B89C022D4DF68208100401000000000000005C64D5CBA90B873F150CB8B5CC2A
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.

Answer: BC

NEW QUESTION 7
Which two statements about the Security Fabric are true? (Choose two.)

A. Only the root FortiGate collects network information and forwards it to FortiAnalyzer.
B. FortiGate uses FortiTelemetry protocol to communicate with FortiAnalyzer.
C. All FortiGate devices in the Security Fabric must have bidirectional FortiTelemetry connectivity.
D. Branch FortiGate devices must be configured first.

Answer: BC

NEW QUESTION 8
View the exhibit, which contains the output of a diagnose command, and then answer the question below.

```
        diagnose sys session list expectation

session info: proto=6 proto_state-00 duration=3 expire=26 timeout=3600 flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
ha_id-0 policy_dir=1 tunnel=/
state=new complex
statistic(bytes/packets/allow_err): org=0/0/0 reply-0/0/0 tuples=2
orgin->sink: org pre->post, reply pre->post dev=2->4/4->2 gwy=10.0.1.10/10.200.1.254
hook=pre dir-org act=dnat 10.171.121.38:0->10.200.1.1:60426(10.0.1.10:50365)
hook-pre dir-org act-noop 0.0.0.0:0->0.0.0.0:0(0.0.0.0:0)
pos/(before, after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=000000e9 tos=ff/ff ips_view=0 app_list=0 app=0
dd_type=0 dd_mode=0
```

What statements are correct regarding the output? (Choose two.)

A. This is an expected session created by a session helper.
B. Traffic in the original direction (coming from the IP address 10.171.122.38) will be routed to the next-hop IP address 10.0.1.10.
C. Traffic in the original direction (coming from the IP address 10.171.122.38) will be routed to the next-hop IP address 10.200.1.1.
D. This is an expected session created by an application control profile.

Answer: AC

NEW QUESTION 9
Refer to the exhibit, which contains partial output from an IKE real-time debug.

```
ike 0:253000:27: responder: main mode get 1st message...
ike 0:253000:27: VID DPD AFCAD71368A1F1C96B8696FC77570100
ike 0:253000:27: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3
ike 0:253000:27: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3C0000000
ike 0:253000:27: VID FORTIGATE 8299031757A36082C6A621DE00000000
ike 0:253000:27: incoming proposal:
ike 0:253000:27: proposal id = 0:
ike 0:253000:27:    protocol id = ISAKMP:
ike 0:253000:27:       trans_id = KEY_IKE.
ike 0:253000:27:       encapsulation = IKE/none
ike 0:253000:27:          type=OAKLEY_ENCRYPT_ALG, val=AES_CBC, key-len=256
ike 0:253000:27:          type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:253000:27:          type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:253000:27:          type=OAKLEY_GROUP, val=MODP1536.
ike 0:253000:27: ISAKMP SA lifetime=86400
ike 0:253000:27: my proposal, gw Remotesite:
ike 0:253000:27: proposal id = 1:
ike 0:253000:27:    protocol id = ISAKMP:
ike 0:253000:27:       trans_id = KEY_IKE.
ike 0:253000:27:       encapsulation = IKE/none
ike 0:253000:27:          type=OAKLEY_ENCRYPT_ALG, val=AES_CBC, key-len=128
ike 0:253000:27:          type=OAKLEY_HASH_ALG, val=SHA.
ike 0:253000:27:          type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:253000:27:          type=OAKLEY_GROUP, val=MODP1536.
ike 0:253000:27: ISAKMP SA lifetime=86400
ike 0:253000:27: negotiation failure
ike Negot:253a8cbe6335e6fd/0000000000000000:27: no SA proposal chosen
```

Why did the tunnel not come up?

A. The local gateway has configured less secure encryption and hashing algorithms compared to the remote gateway.
B. The Diffie-Hellman group does not match on the local and remote gateways.
C. The proposal ID does not match between local and remote gateways.
D. The encapsulation method for phase 2 is set to none on local and remote gateways.

Answer: A

Explanation:
local gateway: encryption AES-128, hash SHA remote gateway: encryption AES-256, hash SHA-256 So local gateway has less secure settings

NEW QUESTION 10
Examine the partial output from two web filter debug commands; then answer the question below:

```
# diagnose test application urlfilter 3
Domain | IP    DB Ver    T URL
34000000| 34000000   16.40224 P Bhttp://www.fgt99.com/
# get webfilter categories
g07 General Interest - Business:
     34 Finance and Banking
     37 Search Engines and Portals
     43 General Organizations
     49 Business
     50 Information and Computer Security
     51 Government and Legal Organizations
     52 Information Technology
```

Based on the above outputs, which is the FortiGuard web filter category for the web site www.fgt99.com?

A. Finance and banking
B. General organization.
C. Business.
D. Information technology.

Answer: C

NEW QUESTION 10
Examine the output of the 'get router info ospf interface' command shown in the exhibit; then answer the question below.

```
# 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, 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 7 sent 9
    LS-Req received 2 sent 2, LS-Upd received 7 sent 5
    LS-Ack received 4 sent 3, Discarded 1
```

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

A. The port4 interface is connected to the OSPF backbone area.
B. The local FortiGate has been elected as the OSPF backup designated router.
C. There are at least 5 OSPF routers connected to the port4 network.
D. Two OSPF routers are down in the port4 network.

Answer: AC

Explanation:
on BROADCAST network there are 4 neighbors, among which 1*DR +1*BDR. So our FG has 4 neighbors, but create adjacency only with 2 (with DR and BDR). 2 neighbors DRother (not down).

NEW QUESTION 12
Which configuration can be used to reduce the number of BGP sessions in an IBGP network?

A. route-reflector enable
B. route-reflector-server enable
C. route-reflector-client enable
D. route-reflector-peer enable

Answer: C

Explanation:
https://docs.fortinet.com/document/fortigate/7.0.11/cli-reference/572620/config-router-bgp set route-reflector-client [enable|disable]

NEW QUESTION 17
Refer to the exhibit, which shows the output of a BGP debug command.

```
FGT # get router info bgp summary
BGP router identifier 10.200.1.1, local AS number 655
BGP table version is 2
1 BGP AS-PATH entries
0 BGP community entries

Neighbor          V     AS        MsgRcvd MsgSent      TblVe
10.200.3.1        4 65501          92      1756           0

Total number of neighbors 1
```

Which statement explains why the state of the 10.200.3.1 peer is Connect?

A. The local router has a different AS number than the remote peer.
B. The local router is receiving BGP keepalives from the remote peer, but the local peer has not received the openConfirm yet.
C. The local router initiated the BGP session to 10.200.3.1 but did not receive a response.
D. The router 10.200.3.1 has authentication configured for BGP and the local router does not.

Answer: C

NEW QUESTION 20
Refer to the exhibit, which shows the output of a 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, 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. In the network connected to port 4, two OSPF routers are down.
B. Based on the network type of port 4, OSPF hello packets will be sent to 224.0.0.5.
C. Based on the network type of port 4, OSPF hello packets will be sent to 224.0.0.6.
D. There are a total of 5 OSPF routers attached to the Port4 network segment.

Answer: BD

NEW QUESTION 25
Examine the following traffic log; then answer the question below.
date-20xx-02-01 time=19:52:01 devname=master device_id="xxxxxxx" log_id=0100020007 type=event subtype=system pri critical vd=root service=kemel
status=failure msg="NAT port is exhausted."
What does the log mean?

A. There is not enough available memory in the system to create a new entry in the NAT port table.
B. The limit for the maximum number of simultaneous sessions sharing the same NAT port has been reached.
C. FortiGate does not have any available NAT port for a new connection.
D. The limit for the maximum number of entries in the NAT port table has been reached.

Answer: B

NEW QUESTION 29
Which statement about the designated router (DR) and backup designated router (BDR) in an OSPF multi-access network is true?

A. Only the DR receives link state information from non-DR routers.
B. Non-DR and non-BDR routers form full adjacencies to DR only.
C. Non-DR and non-BDR routers send link state updates and acknowledgements to 224.0.0.6.
D. FortiGate first checks the OSPF ID to elect a DR.

Answer: C

Explanation:
Some special IP multicast addresses are reserved for OSPF: 224.0.0.5: All OSPF routers must be able to transmit and listen to this address. 224.0.0.6: All DR and

BDR routers must be able to transmit and listen to this address. https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/7039-1.html

NEW QUESTION 34
Refer to the exhibit, which contains the debug output of diagnose dvm device list.

```
FMG-VM64# diagnose dvm device list

There are currently 1 devices/vdoms managed:
TYPE    OID    SN       HA      IP           NAME           ADOM       IPS FIRMWARE
fmg/    217    FGVM01…  –       10.200.1.1   Local-FortiGate My_ADOM 15.0.0831 6.0 MR4 (1579)
faz enabled                                                            (regular)
    |-  STATUS: db: modified; conf: in sync; cond: pending; dm: retrieved;  conn: up

    |- vdom: [3] root flags:0 adom:My_ADOM pkg: [imported] Local-FortiGate_root
```

Which two statements about the output shown in the exhibit are correct? (Choose two.)

A. ADOMs are disabled on the FortiManager
B. The FortiGate configuration is in sync with latest running revision history.
C. There are pending device-level changes yet to be installed on Local-FortiGate.
D. The policy package has been modified for Local-FortiGate.

Answer: BC

NEW QUESTION 38
View the exhibit, which contains a partial routing table, and then answer the question below.

```
FGT # get router info routing-table all
...
Routing table for VRF=7
C       10.73.9.0/24 is directly connected, port2

Routing table for VRF=12
C       10.1.0.0/24 is directly connected, port3
S       10.10.4.0/24 [10/0] via 10.1.0.100, port3
C       10.64.1.0/24 is directly connected, port1

Routing table for VRF=21
S       10.1.0.0/24 [10/0] via 10.72.3.254, port4
C       10.72.3.0/24 is directly connected, port4
S       192.168.2.0/24 [10/0] via 10.72.3.254, port4
...
```

Assuming all the appropriate firewall policies are configured, which of the following pings will FortiGate route? (Choose two.)

A. Source IP address 10.1.0.24, Destination IP address 10.72.3.20.
B. Source IP address 10.72.3.27, Destination IP address 10.1.0.52.
C. Source IP address 10.72.3.52, Destination IP address 10.1.0.254.
D. Source IP address 10.73.9.10, Destination IP address 10.72.3.15.

Answer: BC

NEW QUESTION 39
Which the following events can trigger the election of a new primary unit in a HA cluster? (Choose two.)

A. Primary unit stops sending HA heartbeat keepalives.
B. The FortiGuard license for the primary unit is updated.
C. One of the monitored interfaces in the primary unit is disconnected.
D. A secondary unit is removed from the HA cluster.

Answer: AC

NEW QUESTION 43
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.

Answer: A

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

NEW QUESTION 48
Which statement about the designated router (DR) and backup designated router (BDR) in an OSPF multi-access network is true?

A. FortiGate first checks the OSPF ID to elect a DR.
B. Non-DR and non-BDR routers will form full adjacencies to DR and BDR only.
C. BDR is responsible for forwarding link state information from one router to another.
D. Only the DR receives link state information from non-DR routers.

Answer: B

NEW QUESTION 49
Examine the output from the 'diagnose debug authd fsso list' command; then answer the question below.
diagnose debug authd fsso list —FSSO logons-IP: 192.168.3.1 User: STUDENT Groups: TRAININGAD/USERS Workstation: INTERNAL2. TRAINING. LAB The IP address 192.168.3.1 is
NOT the one used by the workstation INTERNAL2. TRAINING. LAB.
What should the administrator check?

A. The IP address recorded in the logon event for the user STUDENT.
B. The DNS name resolution for the workstation name INTERNAL2. TRAININ
C. LAB.
D. The source IP address of the traffic arriving to the FortiGate from the workstation INTERNAL2.TRAININ
E. LAB.
F. The reserve DNS lookup forthe IP address 192.168.3.1.

Answer: C

NEW QUESTION 52
Refer to the exhibit, which contains the partial output of a diagnose command.

```
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=statistic/1 tun=intf/0 mode=auto/1 encap=none/0
proxyid_num=1 child_num=0 refernt=15 ilast-10 olast=792 auto-discovery=0
stat: rxp=0 txp=0 rxb=0 txb=0
dpd: mode=on-demand on=1 idle=20000ms 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: 0:10.1.2.0/255.255.255.0:0
    dat: 0:10.1.1.0/255.255.255.0:0
    SA: ref=3 options=2e type=00 soft=0 mtu=1438 expire=42403/OB replaywin=204B seqno=1
esn=replaywin_lastseq=00000000
    life: type=01 bytes=0/0 timeout=43177/43200
    dec: spi=ccc1f66d esp=aes key=16 280e5cd6f9bacc65ac771556c464ffbd
        ah=sha1 key=20 c68091d68753578785de6a7a6b276b506e527
```

Based on the output, which two statements are correct? (Choose two.)

A. Anti-replay is enabled.
B. DPD is disabled.
C. Remote gateway IP is 10.200.4.1.
D. Quick mode selectors are disabled.

Answer: AC

NEW QUESTION 54
What does the dirty flag mean in a FortiGate session configured for NGFW policy mode?

A. The existing session table entry has been updated with the app_id and the firewall policy table needs to be checked for a match.
B. The application or URL category is unknown and needs to be rescanned by the IPS engine to try to identify the Layer 7 details.
C. The URL category for this session has been updated by FortiGuard and the session needs to be checked against the policy again to ensure proper web filtering is applied.
D. Traffic has been identified as coming from an application that is not allowed and the relevant replacement message needs to be displayed to the user, if configured.

Answer: A

Explanation:
Enterprise_Firewall_7.0_Study_Guide-Online.pdf p 99

NEW QUESTION 57
View the exhibit, which contains the output of a debug command, and then answer the question below.

```
# 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, 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 7 sent 9
    LS-Req received 2 sent 2, LS-Upd received 7 sent 5
    LS-Ack received 4 sent 3, Discarded 1
```

Which of the following statements about the exhibit are true? (Choose two.)

A. In the network on port4, two OSPF routers are down.
B. Port4 is connected to the OSPF backbone area.
C. The local FortiGate's OSPF router ID is 0.0.0.4
D. The local FortiGate has been elected as the OSPF backup designated router.

Answer: BC

NEW QUESTION 62
Refer to the exhibit, which contains the partial output of a diagnose command.

```
Spoke-2 # diagnose 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 tun_id=10.200.4.1 dst_mtu=1500 dpd-
link=on remote_location=0.0.0.0 weight=1
bound_if=3 lgwy=static/1 tun=intf/0 mode=auto/1 encap=none/0 options[0210]=create_dev
frag-rfc  accept_traffic=1 overlay_id=0
proxyid_num=1 child_num=0 refcnt=4 ilast=10 olast=551 ad=/0
stat: rxp=0 txp=0 rxb=0 txb=0
dpd: mode=on-demand on=1 idle=20000ms 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=2
  src: 0:10.1.2.0/255.255.255.0:0
  dst: 0:10.1.1.0/255.255.255.0:0
  SA:  ref=3 options=10202 type=00 soft=0 mtu=1438 expire=42897/0B replaywin=2048
       seqno=1 esn=0 replaywin_lastseq=00000000 itn=0 qat=0 hash_search_len=1
  life: type=01 bytes=0/0 timeout=42900/43200
  dec: spi=5ed4aaf8 esp=aes key=16 20d624b494b1c9bfe61ba9b7522448db
       ah=sha1 key=20 891cd9ba81f0e382de0d44127152cb5dba6c62d1
  enc: spi=3b574759 esp=aes key=16 3abf4e04edc09e4e88709750df9c117d
       ah=sha1 key=20 2d2618e867839866a279af5af70a64fa63a7bb52
  dec:pkts/bytes=0/0, enc:pkts/bytes=0/0
```

Based on the output, which two statements are correct? (Choose two.)

A. The remote gateway has quick mode selectors containing a destination subnet of 10.1.2.0/24.
B. The remote gateway IP is 10.200.5.1.
C. DPD is disabled.
D. Anti-replay is enabled.

Answer: AD

Explanation:
Enterprise_Firewall_7.0_Study_Guide-Online.pdf p 427, 444
Since the local subnet is 10.1.2.0/24, the remote gateway has the destination subnet as 10.1.2.0. The remote gateway IP is 10.200.4.1. DPD is enabled (dpd-link=on)

NEW QUESTION 65
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

Answer: D

NEW QUESTION 70
View the exhibit, which contains a screenshot of some phase-1 settings, and then answer the question below.

The VPN is up, and DPD packets are being exchanged between both IPsec gateways; however, traffic cannot pass through the tunnel. To diagnose, the administrator enters these CLI commands:

```
diagnose vpn ike log-filter src-add4 10.0.10.1
diagnose debug application ike-1
diagnose debug enable
```

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

A. The debug output shows phases 1 and 2 negotiations onl
B. Once the tunnel is up, it does not show any more output.
C. The log-filter setting was set incorrectl
D. The VPN's traffic does not match this filter.
E. The debug shows only error message
F. If there is no output, then the tunnel is operating normally.
G. The debug output shows phase 1 negotiation onl
H. After that, the administrator must enable the following real time debug: diagnose debug application ipsec -1.

Answer: B

NEW QUESTION 72
View these partial outputs from two routing debug commands:

```
# 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 gwy=10.200.1.254
dev=2(port1)
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 gwy=10.200.2.254
dev=3(port2)
tab=254 vf=0 scope=253 type=1 proto=2 prio=0 0.0.0.0/0.0.0.0/0->10.0.1.0/24 pref=10.0.1.254 gwy=0.0.0.0
dev=4(port3)
# get router info routing-table all
S*      0.0.0.0/0 [10/0] via 10.200.1.254, port1
                  [10/0] via 10.200.2.254, port2, [10/0]
C       10.0.1.0/24 is directly connected, port3
C       10.200.1.0/24 is directly connected, port1
C       10.200.2.0/24 is directly connected, port2
```

Which outbound interface will FortiGate use to route web traffic from internal users to the Internet?

A. Both port1 and port2
B. port3
C. port1
D. port2

Answer: C

NEW QUESTION 74
Refer to the exhibit, which shows the output of a debug command.

```
FGT # get router info ospf neighbor

OSPF process 0:
Neighbor ID       Pri    State          Dead Time      Address        Interface
0.0.0.69          1      Full/DR        00:00:32       10.126.0.69    wan1
0.0.0.117         1      Full/DROther   00:00:34       10.126.0.117   wan2
0.0.0.2           1      Full/ -        00:00:38       172.16.1.2     ToRemote
```

What can be concluded from the debug command output?

A. The OSPF router with the ID 0.0.0.69 has its OSPF priority set to 0.
B. The local FortiGate has a different MTU value from the OSPF router with ID 0.0.0.2, based on the state information.
C. There are more than two OSPF routers on the wan2 network.
D. The interface ToRemote is a broadcast OSPF network.

Answer: C

Explanation:
Enterprise_Firewall_7.0_Study_Guide-Online.pdf p 296

NEW QUESTION 75
Refer to the exhibits, which show the configuration on FortiGate and partial internet session information from a user on the internal network.

```
Configuration  Session

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
```

```
Configuration  Session

FGT # diagnose sys session list
session info: proto=6 proto_state=01 duration=600 expire=3179 timeout=3600 flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=4
origin-shaper=
reply-shaper=
per_ip_shaper=
class_id=0 ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=log may_dirty npu f00
statistic(bytes/packets/allow_err): org=3208/25/1 reply=11144/29/1 tuples=2
tx speed(Bps/kbps): 0/0 rx speed(Bps/kbps): 0/0
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)
src_mac=b4:f7:a1:e9:91:97
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00317c5b tos=ff/ff app_list=0 app=0 url_cat=0
rpdb_link_id = 00000000
dd_type=0 dd_mode=0
npu_state=0x000c00
npu info: flag=0x00/0x00, offload=0/0, ips_offload=0/0, epid=0/0, ipid=0/0, vlan=0x0000/0x0000
vlifid=0/0, vtag_in=0x0000/0x0000 in_npu=0/0, out_npu=0/0, fwd_en=0/0, qid=0/0
no_ofld_reason:
```

An administrator would like to test session failover between the two service provider connections.
What changes must the administrator make to force this existing session to immediately start using the other interface? (Choose two.)

A. Configure set snat-route-change enable.
B. Change the priority of the port2 static route to 5.
C. Change the priority of the port1 static route to 11.
D. unset snat-route-change to return it to the default setting.

Answer: AC

Explanation:

Enterprise_Firewall_7.0_Study_Guide-Online.pdf p 148-149

NEW QUESTION 76
In which two ways does FortiManager function when it is deployed as a local FDS? (Choose two.)

A. It provides VM license validation services.
B. It supports rating requests from non-FortiGate devices.
C. It caches available firmware updates for unmanaged devices.
D. It can be configured as an update server, a rating server, or both.

Answer: AD

NEW QUESTION 80
Which two conditions would prevent a static route from being added to the routing table? (Choose two.)

A. There is another other route to the same destination, with a lower distance.
B. The route has a lower priority value than another route to the same destination.
C. The next-hop IP address is unreachable.
D. The interface specified in the route configuration is down

Answer: AD

Explanation:
The routing table contains only the static route with the lowest distance https://community.fortinet.com/t5/FortiGate/Technical-Note-Routing-behavior-depending-on-distance-and/ta-p/

NEW QUESTION 82
Refer to the exhibit, which shows the output of a diagnose command.

```
FGT # diagnose debug rating
Locale      : english
Service     : Web-filter
Status      : Enable
License     : Contract
Service     : Antispam
Status      : Disable
Service     : Virus Outbreak Prevention
Status      : Disable
 -=- Server List (Mon Apr 19 10:41:32 20xx) -=-
IP                 Weight  RTT   Flags   TZ   Packets   Curr Lost    Total Lost
64.26.151.37         10     45            -5   262432    0            846
64.26.151.35         10     46            -5   329072    0            6806
66.117.56.37         10     75            -5   71638     0            275
65.210.95.240        20     71            -8   36875     0            92
209.222.147.36       20     103   DI      -8   34784     0            1070
208.91.112.194       20     107   D       -8   35170     0            1533
96.45.33.65          60     144            0   33728     0            120
80.85.69.41          71     226            1   33797     0            192
62.209.40.74         150    97             9   33754     0            145
121.111.236.179      45     44    F       -5   26410     26226        26227
```

What can be concluded about the debug output in this scenario?

A. Servers with a negative TZ value are less preferred for rating requests.
B. There is a natural correlation between the value in the Packets field and the value in the Weight field.
C. FortiGate used 64.26.151.37 as the initial server to validate its contract.
D. The first server provided to FortiGate when it performed a DNS query looking for a list of rating servers, was 121.111.236.179.

Answer: B

NEW QUESTION 83
A FortiGate is configured as an explicit web proxy. Clients using this web proxy are reposting DNS errors when accessing any website. The administrator executes the following debug commands and observes that the n-d ns-timeout counter is increasing:

```
#diagnose test application wad 2200
#diagnose test application wad 104
DNS Stats:
n_dns_reqs=878  n_dns_fails= 2   n_dns_timeout=875
n_dns_success=0

n_snd_retries=0   n_snd_fails=0 n_snd_success=0 n_dns_overflow=0
n_build_fails=0
```

What should the administrator check to fix the problem?

A. The connectivity between the FortiGate unit and the DNS server.
B. The connectivity between the client workstations and the DNS server.
C. That DNS traffic from client workstations is allowed by the explicit web proxy policies.
D. That DNS service is enabled in the explicit web proxy interface.

Answer: A

NEW QUESTION 88
In which two states is a given session categorized as ephemeral? (Choose two.)

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

Answer: CD

NEW QUESTION 91
View the central management configuration shown in the exhibit, and then answer the question below.

```
config system central-management
    set type fortimanager
    set fmg "10.0.1.242"
    config server-list
        edit 1
            set server-type rating
            set server-address 10.0.1.240
        next
        edit 2
            set server-type update
            set server-address 10.0.1.243
        next
        edit 3
            set server-type rating
            set server-address 10.0.1.244
        next
    end
    set include-default-servers enable
end
```

Which server will FortiGate choose for antivirus and IPS updates if 10.0.1.243 is experiencing an outage?

A. 10.0.1.240
B. One of the public FortiGuard distribution servers
C. 10.0.1.244
D. 10.0.1.242

Answer: B

NEW QUESTION 96
Which of the following statements are correct regarding application layer test commands? (Choose two.)

A. They are used to filter real-time debugs.
B. They display real-time application debugs.
C. Some of them display statistics and configuration information about a feature or process.
D. Some of them can be used to restart an application.

Answer: CD

Explanation:
Application layer test commands don't display info in real time, but they do show statistics and configuration info about a feature or process. You can also use some of these commands to restart a process or execute a change in its operation.

NEW QUESTION 98
Which of the following statements is true regarding a FortiGate configured as an explicit web proxy?

A. FortiGate limits the number of simultaneous sessions per explicit web proxy use
B. This limit CANNOT be modified by the administrator.
C. FortiGate limits the total number of simultaneous explicit web proxy users.
D. FortiGate limits the number of simultaneous sessions per explicit web proxy user The limit CAN be modified by the administrator
E. FortiGate limits the number of workstations that authenticate using the same web proxy user credentials.This limit CANNOT be modified by the administrator.

Answer: B

Explanation:
https://help.fortinet.com/fos50hlp/52data/Content/FortiOS/fortigate-WAN-opt-52/web_proxy.htm#Explicit2
The explicit proxy does not limit the number of active sessions for each user. As a result the actual explicit proxy session count is usually much higher than the number of explicit web proxy users. If an excessive number of explicit web proxy sessions is compromising system performance you can limit the amount of users if the FortiGate unit is operating with multiple VDOMs.

NEW QUESTION 102
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