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
View the exhibit, which contains an entry in the session table, and then answer the question below.

```
session info: proto=6 proto_state=11 duration=53 expire=265 timeout=300 flags=00000000
sockflag=00000000
origin-shaper=
reply-shaper=
per_ip_shaper=
ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
user=AALI state=redir log local may_dirty npu nlb none acct-ext
statistic (bytes/packets/allow_err): org=2651/17/1 reply=19130/28/1 tuples=3
tx speed (Bps/kbps): 75/0 rx speed (Bps/kbps): 542/4
orgin->sink: org pre->post, reply pre->post dev=7->6/6->7 gwy=172.20.121.2/10.0.0.2
hook=post dir=org act=snat 192.167.1.100:49545->216.58.216.238:443(172.20.121.96:49545)
hook=pre dir=reply act=dnat 216.58.216.238:443->172.20.121.96:49545 (192.167.1.100:49545)
hook=post dir=reply act=noop 216.58.216.238:443->192.167.1.100:49545 (0.0.0.0:0)
pos/(before, after) 0/(0,0), 0/(0,0)
src_mac=08:5b:0e:6c:7b:7a
misc=0 policy_id=21 auth_info=0 chk_client_info=0 vd=0
serial=007f2948 tos=ff/ff app_list=0 app=0 url_cat=41
dd_type=0 dd_mode=0
npu_state=00000000
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
```

Which one of the following statements is true regarding FortiGate's inspection of this session?

A. FortiGate applied proxy-based inspection.
B. FortiGate forwarded this session without any inspection.
C. FortiGate applied flow-based inspection.
D. FortiGate applied explicit proxy-based inspection.

Answer: A

Explanation:
https://kb.fortinet.com/kb/viewContent.do?externalId=FD30042

NEW QUESTION 2
What is the purpose of an internal segmentation firewall (ISFW)?

A. It inspects incoming traffic to protect services in the corporate DMZ.
B. It is the first line of defense at the network perimeter.
C. It splits the network into multiple security segments to minimize the impact of breaches.
D. It is an all-in-one security appliance that is placed at remote sites to extend the enterprise network.

Answer: C

Explanation:
ISFW splits your network into multiple security segments. They serve as a breach containers from attacks that come from inside.

NEW QUESTION 3
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
```
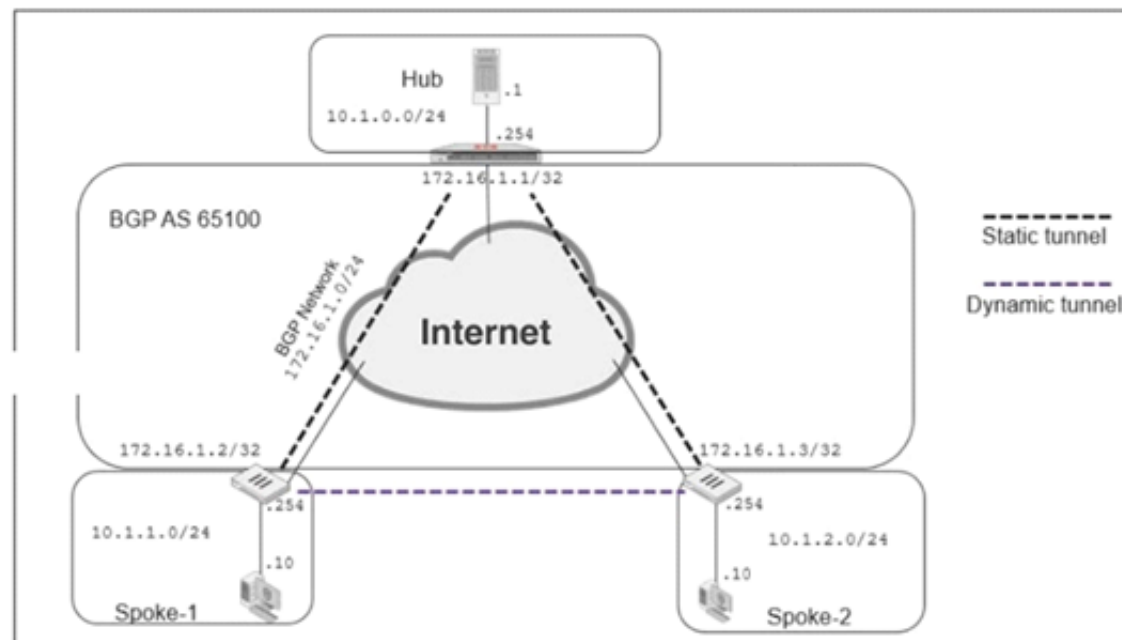
Which server will FortiGate choose for antivirus and IPS updates if 10.0.1.243 is experiencing an outage?

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 4
Exhibits:

Refer to the exhibits, which contain the network topology and BGP configuration for a hub.
An administrator is trying to configure ADVPN with a hub-spoke VPN setup using iBGP. All the VPNs are up and connected to the hub. The hub is receiving route information from both spokes over iBGP; however, the spokes are not receiving route information from each other.
What change must the administrator make to the hub BGP configuration so that the routes learned by one spoke are forwarded to the other spokes?

A. Configure an individual neighbor and remove neighbor-range configuration.
B. Configure the hub as a route reflector client.
C. Change the router id to 10.1.0.254.
D. Make the configuration of remote-as different from the configuration of local-as.

Answer: B

NEW QUESTION 5
How does FortiManager handle FortiGuard requests from FortiGate devices, when it is configured as a local FDS?

A. FortiManager can download and maintain local copies of FortiGuard databases.
B. FortiManager supports only FortiGuard push to managed devices.
C. FortiManager will respond to update requests only if they originate from a managed device.
D. FortiManager does not support rating requests.

Answer: A

NEW QUESTION 6
An administrator wants to capture ESP traffic between two FortiGates using the built-in sniffer. If the administrator knows that there is no NAT device located between both FortiGates, what command should the administrator execute?

A. diagnose sniffer packet any 'udp port 500'
B. diagnose sniffer packet any 'udp port 4500'
C. diagnose sniffer packet any 'esp'
D. diagnose sniffer packet any 'udp port 500 or udp port 4500'

Answer: C

Explanation:
Capture IKE Traffic without NAT:diagnose sniffer packet 'host and udp port 500'
——-Capture ESP
Traffic without NAT:diagnose sniffer packet any 'host and esp'
——-Capture IKE
and ESP with NAT-T:diagnose sniffer packet any 'host and (udp port 500 or udp port 4500)'

NEW QUESTION 7
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 8
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-forwarder
C. auto-discovery-shortcut
D. auto-discovery-receiver

Answer: B

NEW QUESTION 9
View the exhibit, which contains the output of a diagnose command, and then answer the question below.

```
# diagnose debug rating
Locale        : english
License       : Contract
Expiration    : Thu Sep 28 17:00:00 20xx
-=- Server List (Thu 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
```

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

A. FortiGate will probe 121.111.236.179 every fifteen minutes for a response.
B. Servers with the D flag are considered to be down.
C. Servers with a negative TZ value are experiencing a service outage.
D. FortiGate used 209.222.147.3 as the initial server to validate its contract.

Answer: AD

Explanation:
A – because flag is Failed so fortigate will check if server is available every 15 minD-state is I , contact to validate contract info

NEW QUESTION 10
View the exhibit, which contains a partial web filter profile configuration, and then answer the question below.

| Name | default |
| Comments | Default web filtering. |

FortiGuard category based filter

Show ✅Allow
- 🔵 Bandwidth Consuming
  - ✅ File Sharing and Storage

Status URL Filter

Block invalid URLs 🔵
URL Filter 🔵

URL	Type	Action	Status
*dropbox.com	Wildcard	🚫 Block	Enable

Web content filter 🔵

Pattern Type	Pattern	Language	Action	Status
Wildcard	*dropbox*	Western	E Exempt	Enable

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 exempt the connection based on the Web Content Filter configuration.
B. FortiGate will block the connection based on the URL Filter configuration.
C. FortiGate will allow the connection based on the FortiGuard category based filter configuration.
D. FortiGate will block the connection as an invalid URL.

Answer: B

Explanation:
fortigate does it in order Static URL -> FortiGuard – > Content -> Advanced (java, cookie removal..)so block it in first step

NEW QUESTION 10
The logs in a FSSO collector agent (CA) are showing the following error: failed to connect to registry: PIKA1026 (192.168.12.232)
What can be the reason for this error?

A. The CA cannot resolve the name of the workstation.
B. The FortiGate cannot resolve the name of the workstation.

C. The remote registry service is not running in the workstation 192.168.12.232.
D. The CA cannot reach the FortiGate with the IP address 192.168.12.232.

Answer: C

Explanation:
https://kb.fortinet.com/kb/documentLink.do?externalID=FD30548

NEW QUESTION 13
An administrator has configured a dial-up IPsec VPN with one phase 2, extended authentication (XAuth) and IKE mode configuration. The administrator has also enabled the IKE real time debug:
diagnose debug application ike-1 diagnose debug enable
In which order is each step and phase displayed in the debug output each time a new dial-up user is connecting to the VPN?

A. Phase1; IKE mode configuration; XAuth; phase 2.
B. Phase1; XAuth; IKE mode configuration; phase2.
C. Phase1; XAuth; phase 2; IKE mode configuration.
D. Phase1; IKE mode configuration; phase 2; XAuth.

Answer: B

Explanation:
https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-ipsecvpn-54/IPsec_VPN_Concepts/IKE_Packet

NEW QUESTION 14
Which statement about NGFW policy-based application filtering is true?

A. After the application has been identified, the kernel uses only the Layer 4 header to match the traffic.
B. The IPS security profile is the only security option you can apply to the security policy with the action set to ACCEPT.
C. After IPS identifies the application, it adds an entry to a dynamic ISDB table.
D. FortiGate will drop all packets until the application can be identified.

Answer: D

NEW QUESTION 18
Which of the following statements are true regarding the SIP session helper and the SIP application layer gateway (ALG)? (Choose three.)

A. SIP session helper runs in the kernel; SIP ALG runs as a user space process.
B. SIP ALG supports SIP HA failover; SIP helper does not.
C. SIP ALG supports SIP over IPv6; SIP helper does not.
D. SIP ALG can create expected sessions for media traffic; SIP helper does not.
E. SIP helper supports SIP over TCP and UDP; SIP ALG supports only SIP over UDP.

Answer: BCD

NEW QUESTION 19
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 22
Which configuration can be used to reduce the number of BGP sessions in an IBGP network?

A. Neighbor range
B. Route reflector
C. Next-hop-self
D. Neighbor group

Answer: B

Explanation:
Route reflectors help to reduce the number of IBGP sessions inside an AS. A route reflector forwards the routers learned from one peer to the other peers. If you configure route reflectors, you dont' need to create a full mesh IBGP network. All clients in a cluster only talck to route reflector to get sync routing updates. Route reflectors pass the routing updates to other route reflectors and border routers within the AS.

NEW QUESTION 24
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 exceeded a threshold of a matching DoS policy.
D. Those whose traffic was detected as an anomaly by an IPS sensor.

Answer: A

NEW QUESTION 27
What configuration changes can reduce the memory utilization in a FortiGate? (Choose two.)

A. Reduce the session time to live.
B. Increase the TCP session timers.
C. Increase the FortiGuard cache time to live.
D. Reduce the maximum file size to inspect.

Answer: AD

NEW QUESTION 28
Which two statements about an auxiliary session are true? (Choose two.)

A. With the auxiliary session setting enabled, ECMP traffic is accelerated to the NP6 processor.
B. With the auxiliary session setting enabled, two sessions will be created in case of routing change.
C. With the auxiliary session setting disabled, for each traffic path, FortiGate will use the same auxiliary session.
D. With the auxiliary session disabled, only auxiliary sessions will be offloaded.

Answer: CD

NEW QUESTION 30
View the exhibit, which contains the output of a BGP debug command, and then answer the question below.

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

A. The local router's BGP state is Established with the 10.125.0.60 peer.
B. Since the counters were last reset; the 10.200.3.1 peer has never been down.
C. The local router has received a total of three BGP prefixes from all peers.
D. The local router has not established a TCP session with 100.64.3.1.

Answer: AD

NEW QUESTION 34
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.

Answer: CD

NEW QUESTION 38

What is the diagnose test application ipsmonitor 99 command used for?

A. To enable IPS bypass mode
B. To provide information regarding IPS sessions
C. To disable the IPS engine
D. To restart all IPS engines and monitors

Answer: D

NEW QUESTION 40
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 41
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-static/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=2048 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 45
View the exhibit, which contains the output of diagnose sys session list, and then answer the question below.

```
# 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=
ha_id=0 policy_dir=0 tunnel=/
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=10.200.1.254/10.0.1.10
hook=post dir=org act=snst 10.0.1.10:65464->54.192.15.182:80(10.200.1.1:65464)
hook-pre dir=reply act=dnat 54.192.15.182:80->10.200.1.1:65464(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 is correct regarding the output?

A. This session is for HA heartbeat traffic.
B. This session is synced with the slave unit.
C. The inspection of this session has been offloaded to the slave unit.
D. This session cannot be synced with the slave unit.

Answer: B

NEW QUESTION 48
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 52
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