

NSE7_EFW-7.0 Dumps

Fortinet NSE 7 - Enterprise Firewall 7.0

https://www.certleader.com/NSE7_EFW-7.0-dumps.html



NEW QUESTION 1

View the exhibit, which contains the output of get sys ha status, and then answer the question below.

```
NGFW # get sys ha status
HA Health Status: ok
Model: FortiGate0VM64
Mode: HA A-P
Group: 0
Debug: 0
Cluster Uptime: 0 days 01:07:35
Master selected using:
<2017/04/24 09:43:44> FGVM010000077649 is selected as the master because it has the largest value of override pr
<2017/04/24 08:50:53> FGVM010000077 is selected as the master because it's the only member in the cluster.
ses_pickup: disable
override: enable
Configuration Status:
FGVM010000077649(updated 1 seconds ago): in-sync
FGVM010000077650(updated 0 seconds ago): out-of-sync
System Usage stats:
FGVM010000077649(updated 1 seconds ago):
sessions=30, average-cpu-user/nice/system/idle=0%/0%/0%/100%, memory-60%
FGVM010000077650(updated 0 seconds ago):
sessions=2, average-cpu-user/nice/system/idle=0%/0%/0%/100%, memory-61%
HBDEV stats:
FGVM010000077649(updated 1 seconds ago):
port7: physical/10000full, up, rx-bytes/packets/dropped/errors=7358367/17029/25/0, tx=7721830/17182/0/0
FGVM010000077650(updated 0 seconds ago):
port7: physical/10000full, up, rx-bytes/packets/dropped/errors=7793722/17190/0/0, tx=8940374/20806/0/0
Master: NGFW , FGVM010000077649
Slave : NGFW-2 , FGVM010000077650
number of vcluster: 1
vcluster 1: work 169.254.0.2
Master:0 FGVM010000077649
Slave :1 FGVM010000077650
```

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

- A. The slave configuration is not synchronized with the master.
- B. The HA management IP is 169.254.0.2.
- C. Master is selected because it is the only device in the cluster.
- D. port 7 is used the HA heartbeat on all devices in the cluster.

Answer: AD

NEW QUESTION 2

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
origin->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 3

When using the SSL certificate inspection method to inspect HTTPS traffic, how does FortiGate filter web requests when the client browser does not provide the server name indication (SNI) extension?

- A. FortiGate uses the requested URL from the user's web browser.
- B. FortiGate uses the CN information from the Subject field in the server certificate.
- C. FortiGate blocks the request without any further inspection.
- D. FortiGate switches to the full SSL inspection method to decrypt the data.

Answer: B

NEW QUESTION 4

Refer to the exhibit, which contains partial outputs from two routing debug commands.

```
FortiGate # get router info routing-table database

S    0.0.0.0/0 [20/0] via 100.64.2.254, port2, [10/0]
S    *>0.0.0.0/0 [10/0] via 100.64.1.254, port1

FortiGate # get router info routing-table all

S*   0.0.0.0/0 [10/0] via 100.64.1.254, port1
```

Why is the port2 default route not in the second command's output?

- A. It has a higher priority value than the default route using port1.
- B. It is disabled in the FortiGate configuration.
- C. It has a lower priority value than the default route using port1.
- D. It has a higher distance than the default route using port1.

Answer: D

NEW QUESTION 5

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-dns-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 6

A FortiGate device has the following LDAP configuration:

```
config user ldap
  edit "WindowsLDAP"
    set server "10.0.1.10"
    set cnid "cn"
    set dn "cn=user, dc=trainingAD, dc=training, dc=lab"
    set type regular
    set username "cn=administrator, cn=users, dc=trainingAD,
dc=training, dc=lab"
    set password xxxxx
  next
end
```

The LDAP user student cannot authenticate. The exhibit shows the output of the authentication real time debug while testing the student account:


```
#diagnose debug application fnbamd -l
#diagnose debug enable
#diagnose test authserver ldap WindowsLDAP student password
fnbamd_fsm.c[1819] handle_req-Recv auth req 4 for student in WindowsLDAP
opt=27 prot=0
fnbamd_fsm.c[336]_compose_group_list_from_req_Group 'WindowsLDAP'
fnbamd_pop3.c[573] fnbamd_pop3_start-student
fnbamd_cfg.c[932] fnbamd_cfg-get_ldap_ist_by_server-Loading LDAP server
'WindowsLDAP'
fnbamd_ldap.c[992] resolve_ldap_FQDN-Resolved address 10.0.1.10, result 10.0.1.10
fnbamd_fsm.c[428] create_auth_session-Total 1 server(s) to try
fnbamd_ldap.c[1700] fnbamd_ldap_get_result-Error in ldap result: 49
(Invalid credentials)
fnbamd_ldap.c[2028] fnbamd_ldap_get_result-Auth denied
fnbamd_auth.c[2188] fnbamd_auth_poll_ldap-Result for ldap svr 10.0.1.10 is denied
fnbamd_comm.c[169] fnbamd_comm_send_result-Sending result 1 for req 4
fnbamd_fsm.c[568] destroy_auth_session-delete session 4
authenticate 'student' against 'WindowsLDAP' failed!
```

Based on the above output, what FortiGate LDAP settings must the administrator check? (Choose two.)

- A. cnid.
- B. username.
- C. password.
- D. dn.

Answer: BC

Explanation:

<https://kb.fortinet.com/kb/viewContent.do?externalId=13141>

NEW QUESTION 7

Refer to the exhibit, which contains the output of get system ha status. Which two statements about the output are true? (Choose two.)

```
NGFW-1 # get system ha status
HA Health Status: OK
Model: FortiGate-VM64
Mode: HA A-P
Group: 2
Debug: 0
Cluster Uptime: 0 days 4:23:19
Cluster state change time: 2019-01-25 10:19:46
Master selected using:
<2019/01/25 10:19:46> FGVM010000077649 is selected as the master because it has the largest value
of override priority.
<2019/01/25 10:19:40> FGVM010000077649 is selected as the master because it's the only member in
the cluster.
ses_pickup: disable
override: enable
Configuration Status:
FGVM010000077649 (updated 1 seconds ago): in-sync
FGVM010000077650 (updated 0 seconds ago): out-of-sync
System Usage stats:
FGVM010000077649 (updated 1 seconds ago):
sessions=27, average-cpu-user/nice/system/idle=1%/0%/0%/99%, memory=56%
FGVM010000077650 (updated 0 seconds ago):
sessions=2, average-cpu-user/nice/system/idle=1%/0%/0%/99%, memory=57%
HBDEV stats:
FGVM010000077649 (updated 1 seconds ago):
port7: physical/10000full, up, rx-bytes/packets/dropped/errors=63817615/202024/0/0, tx=
71110281/121109/0/0
FGVM010000077650 (updated 0 seconds ago):
port7: physical/10000full, up, rx-bytes/packets/dropped/errors=79469596/122024/0/0, tx=
30877890/107878/0/0
Master: NGFW-1, FGVM010000077649, cluster index = 1
Slave : NGFW-2, FGVM010000077650, cluster index = 0
number of vcluster: 1
vcluster 1: work 169.254.0.2
Master: FGVM010000077649, operating cluster index = 0
Slave : FGVM010000077650, operating cluster index = 1
```

- A. The slave configuration is synchronized with the master.
- B. port7 is used as the HA heartbeat on all devices in the cluster.
- C. Primary is selected based on the priority configured under config system ha.
- D. The HA management IP is 169.254.0.2.

Answer: BC

NEW QUESTION 8

View the exhibit, which contains the output of diagnose sys session stat, and then answer the question below.

```
NGFW-1 # diagnose sys session stat
misc info:      session_count=591  setup_rate=0  exp_count=0
clash=162  memory_tension_drop=0  ephemeral=0/65536
removeable=0
delete=0, flush=0, dev_down=0/0
TCP sessions:
    166 in NONE state
    1 in ESTABLISHED state
    3 in SYN_SENT state
    2 in TIME_WAIT state
firewall error stat:
error1=00000000
error2=00000000
error3=00000000
error4=00000000
tt=00000000
cont=00000000
ids_recv=00000000
url_recv=00000000
av_recv=00000000
fqdn_count=00000006
global: ses_limit=0  ses6_limit=0  rt_limit=0  rt6_limit=0
```

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

- A. There are 0 ephemeral sessions.
- B. All the sessions in the session table are TCP sessions.
- C. No sessions have been deleted because of memory pages exhaustion.
- D. There are 166 TCP sessions waiting to complete the three-way handshake.

Answer: AC

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD40578>

NEW QUESTION 9

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 10

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 PQDN '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
A2FBD6BB6394401A06B89C022D4DF6820810040100000000000000500B0000018882A07BE09026CA8B2
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
```

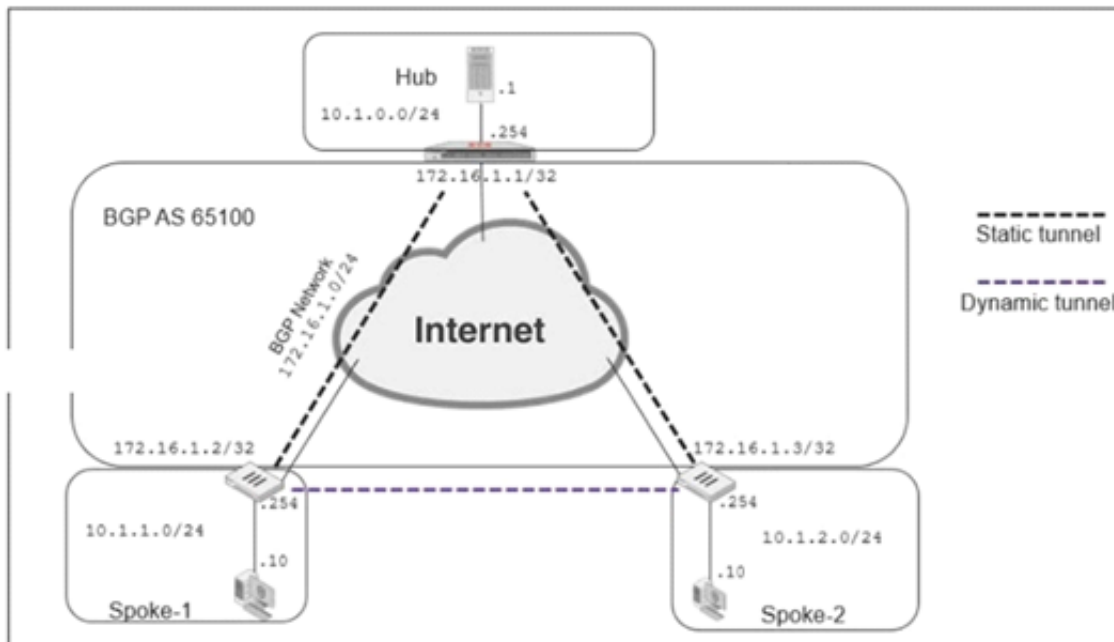
Which two statements about this debug output are correct? (Choose two.)

- 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 10

Exhibits:



```
now router bgp
router bgp
  as 65100
  router-id 172.16.1.1
fig neighbor-group
  edit "advpn"
    set remote-as 65100

    set route-reflector-client disable
  next
fig neighbor-range
  edit 1
    set prefix 172.16.1.0 255.255.255.0
    set neighbor-group "advpn"
  next
```

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 11

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 16

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 19

Examine the output of the 'diagnose sys session list expectation' command shown in the exhibit; than answer the question below.

```
#diagnose sys session list expectation

session info: proto= proto_state=0 0 duration=3 expire=26 timeout=3600
flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=39
origin-shaper=9
reply-shaper=9
per-ip-shaper=9
ha_id=0 policy_dir=1 tunnel=/9
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)9
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
seriall=000000e9 tos=ff/ff ips_view=0 app_list=0 app=0
dd type=0 dd_mode=09
```

Which statement is true regarding the session in the exhibit?

- A. It was created by the FortiGate kernel to allow push updates from FotiGuard.
- B. It is for management traffic terminating at the FortiGate.
- C. It is for traffic originated from the FortiGate.
- D. It was created by a session helper or ALG.

Answer: D

NEW QUESTION 20

An administrator cannot connect to the GIU of a FortiGate unit with the IP address 10.0.1.254. The administrator runs the debug flow while attempting the connection using HTTP. The output of the debug flow is shown in the exhibit:

```
# diagnose debug flow filter port 80
# diagnose debug flow trace start 5
# diagnose debug enable

id=20085 trace_id=5 msg="vd-root received a packet(proto=6,
10.0.1.10:57459->10.0.1.254:80) from port3. flag [S], seq 3190430861, ack
0, win 8192"
id=20085 trace_id=5 msg="allocate a new session-0000008c"
id=20085 trace_id=5 msg="iprope_in_check() check failed on policy 0, drop"
```

Based on the error displayed by the debug flow, which are valid reasons for this problem? (Choose two.)

- A. HTTP administrative access is disabled in the FortiGate interface with the IP address 10.0.1.254.
- B. Redirection of HTTP to HTTPS administrative access is disabled.
- C. HTTP administrative access is configured with a port number different than 80.
- D. The packet is denied because of reverse path forwarding check.

Answer: AC

NEW QUESTION 23

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 25

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

```
# 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
10.200.3.1   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. For the peer 10.125.0.60, the BGP state of is Established.
- B. The local BGP peer has received a total of three BGP prefixes.
- C. Since the BGP counters were last reset, the BGP peer 10.200.3.1 has never been down.
- D. The local BGP peer has not established a TCP session to the BGP peer 10.200.3.1.

Answer: AD

NEW QUESTION 27

Which two tasks are automated using the Install Wizard on FortiManager? (Choose two.)

- A. Installing configuration changes to managed devices
- B. Importing interface mappings from managed devices
- C. Adding devices to FortiManager
- D. Previewing pending configuration changes for managed devices

Answer: AD

NEW QUESTION 28

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/wwhelp.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/ACK remains in the table.

The tcp-halfclose-timer controls for how long, after a FIN packet, a session without FIN/ACK remains in the table.

The tcp-timewait-timer controls for how long, after a FIN/ACK packet, a session remains in the table. A closed session remains in the session table for a few seconds more to allow any out-of-sequence packet.

NEW QUESTION 33

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

Name	Remote	
Comments	Comments	
Network		
IP Version	<input checked="" type="radio"/> IPv4	<input type="radio"/> IPv6
Remote Gateway	Static IP Address	<input checked="" type="checkbox"/>
IP Address	10.0.10.1	
Interface	port1	<input checked="" type="checkbox"/>
Mode Config	<input type="checkbox"/>	
NAT Traversal	<input checked="" type="checkbox"/>	
Keepalive Frequency	10	
Dead Peer Detection	<input checked="" type="checkbox"/>	

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 38

What conditions are required for two FortiGate devices to form an OSPF adjacency? (Choose three.)

- A. IP addresses are in the same subnet.
- B. Hello and dead intervals match.
- C. OSPF IP MTUs match.
- D. OSPF peer IDs match.
- E. OSPF costs match.

Answer: ABC

Explanation:

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-advanced-routing-54/Routing_OSPF/OSPF_Bac

NEW QUESTION 41

An administrator is running the following sniffer in a FortiGate: diagnose sniffer packet any "host 10.0.2.10" 2
What information is included in the output of the sniffer? (Choose two.)

- A. Ethernet headers.
- B. IP payload.
- C. IP headers.
- D. Port names.

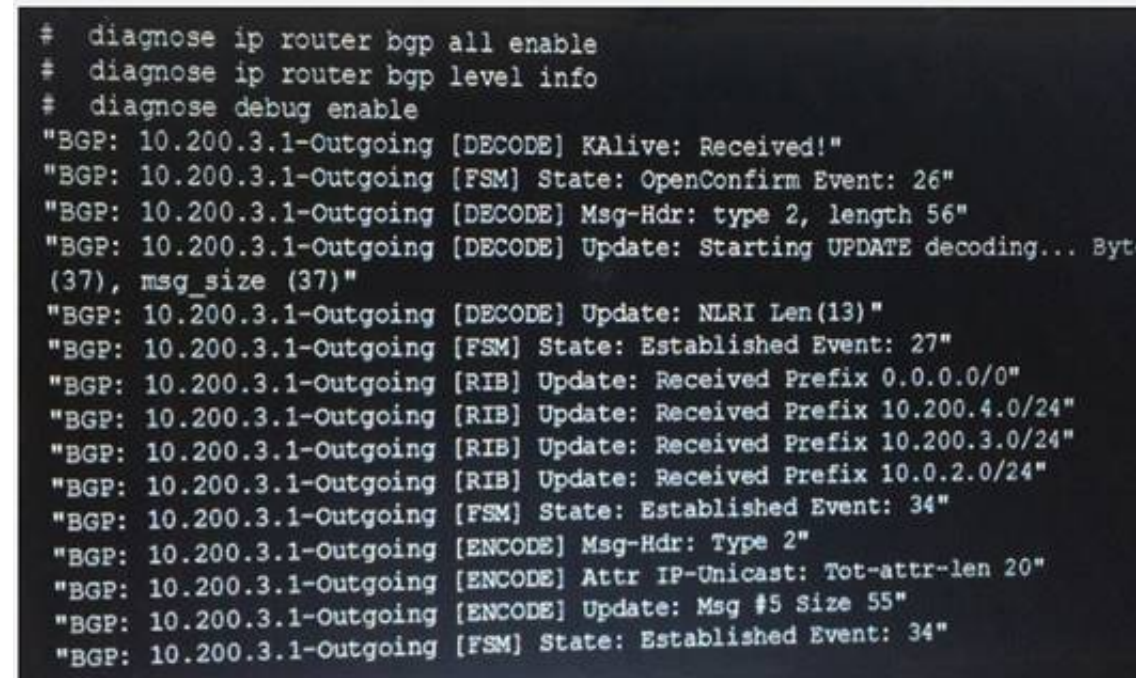
Answer: BC

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=11186>

NEW QUESTION 45

Examine the output from the BGP real time debug shown in the exhibit, then the answer the question below:



```
# diagnose ip router bgp all enable
# diagnose ip router bgp level info
# diagnose debug enable
"BGP: 10.200.3.1-Outgoing [DECODE] KAlive: Received!"
"BGP: 10.200.3.1-Outgoing [FSM] State: OpenConfirm Event: 26"
"BGP: 10.200.3.1-Outgoing [DECODE] Msg-Hdr: type 2, length 56"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: Starting UPDATE decoding... Byte
(37), msg_size (37)"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: NLRI Len(13)"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 27"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 0.0.0.0/0"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.4.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.3.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.0.2.0/24"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
"BGP: 10.200.3.1-Outgoing [ENCODE] Msg-Hdr: Type 2"
"BGP: 10.200.3.1-Outgoing [ENCODE] Attr IP-Unicast: Tot-attr-len 20"
"BGP: 10.200.3.1-Outgoing [ENCODE] Update: Msg #5 Size 55"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
```

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

- A. BGP peers have successfully interchanged Open and Keepalive messages.
- B. Local BGP peer received a prefix for a default route.
- C. The state of the remote BGP peer is OpenConfirm.
- D. The state of the remote BGP peer will go to Connect after it confirms the received prefixes.

Answer: AB

NEW QUESTION 46

Examine the following partial outputs from two routing debug commands; then answer the question below:

```
#get router info routing-table database
S      0.0.0.0/. [20/0] via 10.200.2.254, port2, [10/0]
S      *> 0.0.0.0/0 [10/0] via 10.200.1.254, port1
# get router info routing-table all
S*     0.0.0.0/0 [10/0] via 10.200.1.254, port1
```

Why the default route using port2 is not displayed in the output of the second command?

- A. It has a lower priority than the default route using port1.
- B. It has a higher priority than the default route using port1.
- C. It has a higher distance than the default route using port1.
- D. It is disabled in the FortiGate configuration.

Answer: C

Explanation:

<http://kb.fortinet.com/kb/viewContent.do?externalId=FD32103>

NEW QUESTION 47

A FortiGate is rebooting unexpectedly without any apparent reason. What troubleshooting tools could an administrator use to get more information about the problem? (Choose two.)

- A. Firewall monitor.
- B. Policy monitor.
- C. Logs.
- D. Crashlogs.

Answer: CD

NEW QUESTION 50

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.

Answer: D

Explanation:

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

NEW QUESTION 51

An administrator has configured two FortiGate devices for an HA cluster. While testing HA failover, the administrator notices that some of the switches in the network continue to send traffic to the former primary device. The administrator decides to enable the setting link-failed-signal to fix the problem. Which statement about this setting is true?

- A. It sends an ARP packet to all connected devices, indicating that the HA virtual MAC address is reachable through a new master after a failover.
- B. It sends a link failed signal to all connected devices.
- C. It disabled all the non-heartbeat interfaces in all HA members for two seconds after a failover.
- D. It forces the former primary device to shut down all its non-heartbeat interfaces for one second, while the failover occurs.

Answer: D

NEW QUESTION 52

View the exhibit, which contains the partial output of an IKE real-time debug, and then answer the question below.

```
ike 0:c49e59846861b0f6/0000000000000000:278: responder: main mode get 1st message...
ike 0:c49e59846861b0f6/0000000000000000:278: incoming proposal:
ike 0:c49e59846861b0f6/0000000000000000:278: proposal id = 0:
ike 0:c49e59846861b0f6/0000000000000000:278:   protocol id = ISAKMP:
ike 0:c49e59846861b0f6/0000000000000000:278:   trans_id = KEY_IKE.
ike 0:c49e59846861b0f6/0000000000000000:278:   encapsulation = IKE/none
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_ENCRYPT_ALG, val=3DES_CBC.
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:c49e59846861b0f6/0000000000000000:278:   type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_GROUP, val=MODP2048.
ike 0:c49e59846861b0f6/0000000000000000:278: ISAKMP SA lifetime=86400
...
ike 0:c49e59846861b0f6/0000000000000000:278: my proposal, gw VPN:
ike 0:c49e59846861b0f6/0000000000000000:278: proposal id = 1:
ike 0:c49e59846861b0f6/0000000000000000:278:   protocol id = ISAKMP:
ike 0:c49e59846861b0f6/0000000000000000:278:   trans_id = KEY_IKE.
ike 0:c49e59846861b0f6/0000000000000000:278:   encapsulation = IKE/none
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_ENCRYPT_ALG, val=AES_CBC,
key-len=256
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:c49e59846861b0f6/0000000000000000:278:   type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:c49e59846861b0f6/0000000000000000:278:   type=OAKLEY_GROUP, val=MODP2048.
ike 0:c49e59846861b0f6/0000000000000000:278: ISAKMP SA lifetime=86400
...
ike 0:c49e59846861b0f6/0000000000000000:278: negotiation failure
ike Negotiate ISAKMP SA Error: ike 0:c49e59846861b0f6/0000000000000000:278:
proposal chosen
...
```

Why didn't the tunnel come up?

- A. The pre-shared keys do not match.
- B. The remote gateway's phase 2 configuration does not match the local gateway's phase 2 configuration.
- C. The remote gateway's phase 1 configuration does not match the local gateway's phase 1 configuration.
- D. The remote gateway is using aggressive mode and the local gateway is configured to use man mode.

Answer: C

NEW QUESTION 53

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


```
# diagnose hardware sysinfo conserve
memory conserve mode:          on
total RAM:                    3040 MB
memory used:                   2706 MB 89% of total RAM
Memory freeable:               334 MB 11% of total RAM
memory used + freeable threshold extreme: 2887 MB 95% of total RAM
memory used threshold red:     2675 MB 88% of total RAM
memory used threshold green:   2492 MB 82% of total RAM
```

Which one of the following statements about this FortiGate is correct?

- A. It is currently in system conserve mode because of high CPU usage.
- B. It is currently in extreme conserve mode because of high memory usage.
- C. It is currently in proxy conserve mode because of high memory usage.
- D. It is currently in memory conserve mode because of high memory usage.

Answer: D

NEW QUESTION 58

When using the SSL certificate inspection method for HTTPS traffic, how does FortiGate filter web requests when the browser client does not provide the server name indication (SNI) extension?

- A. FortiGate uses CN information from the Subject field in the server's certificate.
- B. FortiGate switches to the full SSL inspection method to decrypt the data.
- C. FortiGate blocks the request without any further inspection.
- D. FortiGate uses the requested URL from the user's web browser.

Answer: A

NEW QUESTION 60

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

The screenshot shows the configuration for a web filter profile named 'default'. The 'FortiGuard category based filter' is enabled, showing a list of categories: 'Bandwidth Consuming' (disabled) and 'File Sharing and Storage' (enabled). The 'Status URL Filter' is also enabled, with 'Block invalid URLs' and 'URL Filter' both checked. Below this is a table of URL filters with one entry: '*dropbox.com' with a 'Wildcard' type, 'Block' action, and 'Enable' status. At the bottom, the 'Web content filter' is enabled, with a table showing one entry: 'Wildcard' pattern '*dropbox*', 'Western' language, 'Exempt' action, and 'Enable' status.

URL	Type	Action	Status
*dropbox.com	Wildcard	Block	Enable

Pattern Type	Pattern	Language	Action	Status
Wildcard	*dropbox*	Western	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 62

Which statement is true regarding File description (FD) conserve mode?

- A. IPS inspection is affected when FortiGate enters FD conserve mode.
- B. A FortiGate enters FD conserve mode when the amount of available description is less than 5%.
- C. FD conserve mode affects all daemons running on the device.
- D. Restarting the WAD process is required to leave FD conserve mode.

Answer: B

NEW QUESTION 63

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 67

Examine the output of the 'get router info ospf neighbor' command shown in the exhibit; then answer the question below.

```
# 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	wan1
0.0.0.2	1	Full/-	00:00:36	172.16.1.2	ToRemote

Which statements are true regarding the output in the exhibit? (Choose two.) Refer to the exhibit, which shows the output of a debug command.
Which statement about the output is true?

- A. The OSPF routers with the IDs 0.0.0.69 and 0.0.0.117 are both designated routers for the wan1 network.
- B. The OSPF router with the ID 0.0.0.2 is the designated router for the ToRemote network.
- C. The local FortiGate is the designated router for the wan1 network.
- D. The interface ToRemote is a point-to-point OSPF network.
- E. The interface ToRemote is a point-to-point OSPF network.

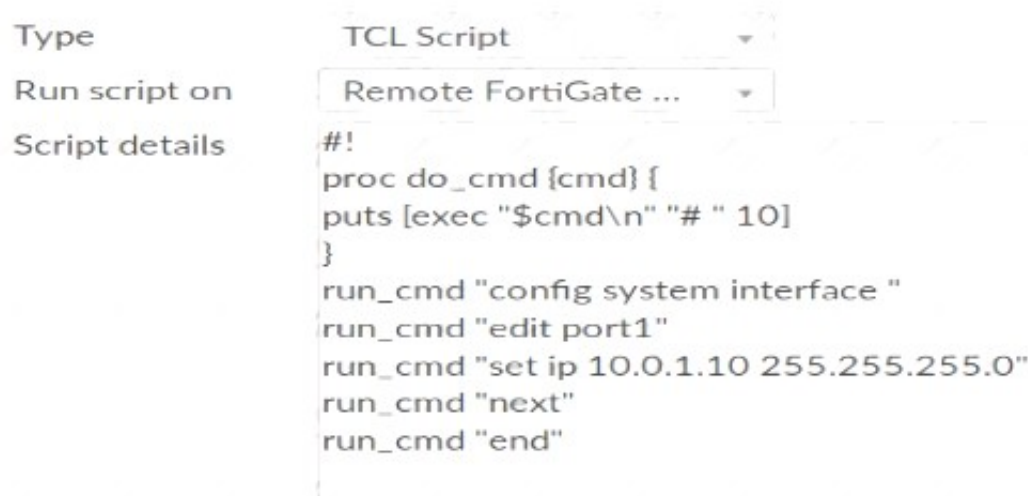
Answer: D

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/13685-13.html>

NEW QUESTION 71

Refer to the exhibit, which contains a TCL script configuration on FortiManager.



An administrator has configured the TCL script on FortiManager, but failed to apply any changes to the managed device after being executed.

Why did the TCL script fail to make any changes to the managed device?

- A. Changes in an interface configuration can only be done by CLI script.
- B. The TCL script must start with #include <>.
- C. Incomplete commands are ignored in TCL scripts.
- D. The TCL command run_cmd has not been created.

Answer: D

NEW QUESTION 76

What global configuration setting changes the behavior for content-inspected traffic while FortiGate is in system conserve mode?

- A. av-failopen
- B. mem-failopen
- C. utm-failopen
- D. ips-failopen

Answer: A

Explanation:

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-security-profiles-54/Other_Profile_Consideratio

NEW QUESTION 80

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 81

When does a RADIUS server send an Access-Challenge packet?

- A. The server does not have the user credentials yet.
- B. The server requires more information from the user, such as the token code for two-factor authentication.
- C. The user credentials are wrong.
- D. The user account is not found in the server.

Answer: B

NEW QUESTION 82

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 86

Examine the output from the 'diagnose debug authd fssso list' command; then answer the question below.

```
# diagnose debug authd fssso 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 91

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 92

Refer to the exhibit, which shows a FortiGate configuration.

```
config system fortiguard
  set protocol udp
  set port 8888
  set load-balance-servers 1
  set auto-join-forticloud enable
  set update-server-location any
  set sandbox-region ""
  set fortiguard-anycast disable
  set antispam-force-off disable
  set antispam-cache enable
  set antispam-cache-ttl 1800
  set antispam-cache-mpercent 2
  set antispam-timeout 7
  set webfilter-force-off enable
  set webfilter-cache enable
  set webfilter-cache-ttl 3600
  set webfilter-timeout 15
  set sdns-server-ip "208.91.112.220"
  set sdns-server-port 53
  unset sdns-options
  set source-ip 0.0.0.0
  set source-ip6 ::
  set proxy-server-ip 0.0.0.0
  set proxy-server-port 0
  set proxy-username ""
  set ddns-server-ip 0.0.0.0
  set ddns-server-port 443
end
```

An administrator is troubleshooting a web filter issue on FortiGate. The administrator has configured a web filter profile and applied it to a policy; however, the web filter is not inspecting any traffic that is passing through the policy.

What must the administrator change to fix the issue?

- A. The administrator must increase webfilter-timeout.
- B. The administrator must disable webfilter-force-off.
- C. The administrator must change protocol to TCP.
- D. The administrator must enable fortiguard-anycast.

Answer: D

NEW QUESTION 97

An administrator has configured the following CLI script on FortiManager, which failed to apply any changes to the managed device after being executed.

```
# conf rout stat
#     edit 0
#         set gateway 10.20.121.2
#         set priority 20
#         set device "wan1"
#     next
# end
```

Why didn't the script make any changes to the managed device?

- A. Commands that start with the # sign are not executed.
- B. CLI scripts will add objects only if they are referenced by policies.
- C. Incomplete commands are ignored in CLI scripts.
- D. Static routes can only be added using TCL scripts.

Answer: A

Explanation:

https://help.fortinet.com/fmgr/50hlp/56/5-6-2/FortiManager_Admin_Guide/1000_Device%20Manager/2400_Sc

A sequence of FortiGate CLI commands, as you would type them at the command line. A comment line starts with the number sign (#). A comment line will not be executed.

NEW QUESTION 102

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

```
ike 0:H2S_0_1:1249: notify msg received: SHORTCUT-QUERY
ike 0:H2S_0_1:  recv shortcut-query 12594932268010586978 4384dd592d62cd52/0000000000000000 100.64.3.1
10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl 32 nat 0 ver 1 mode 0
ike 0:H2S_0: iif 13 10.1.1.254->10.1.2.254 route lookup oif 13
ike 0:H2S_0_0: forward shortcut-query 12594932268010586978 4384dd592d62cd52/0000000000000000
100.64.3.1 10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl 31 ver 1 mode 0, ext-ma
ike 0:H2S_0_0:1248: sent IKE msg (SHORTCUT-QUERY): 100.64.1.1:500->100.64.5.1:500, len=236,
id=e2beec89f13c7074/06a73dfb3a5d3b54:340a645c
ike 0: comes 100.64.5.1:500->100.64.1.1:500, ifindex=3. . .
ike 0: IKEv1 exchange=Informational id=e2beec89f13c7074/06a73dfb3a5d3b5d:26254ae9 len=236
ike 0:H2S_0_0:1248: notify msg received: SHORTCUT-REPLY
ike 0:H2S_0_0:  recv shortcut-reply 12594932268010586978 4384dd592d62cd52/89bf040f5f7408c0 100.64.5.1
to 10.1.1.254 psk 64 ppk 0 ver 1 mode 0 ext-mapping 100.64.3.1:500
ike 0:H2S_0: iif 13.10.1.2.254->10.1.1.254 route lookup oif 13
ike 0:H2S_0_1: forward shortcut-reply 12594932268010586978 4384dd592d62cd52/89bf040f5f7408c0
100.64.5.1 to 10.1.1.254 psk 64 ppk 0 ttl 31 ver 1 mode 0 ext-mapping 100.
```

Based on the debug output, which phase 1 setting is enabled in the configuration of this VPN?

- A. auto-discovery-shortcut
- B. auto-discovery-forwarder
- C. auto-discovery-sender
- D. auto-discovery-receiver

Answer: D

NEW QUESTION 104

View the exhibit, which contains the partial output of an IKE real-time debug, and then answer the question below.

```
ike 0: comes 10.0.0.2:500-> 10.0.0.1:500, ifindex=7...
ike 0: IKEV1 exchange-Aggressive id-baf47d0988e9237f/2f405ef3952f6fda len 430
ike 0: in
BAF47D0988E9237F2F405EF3952F6FDA0110040000000000000001AE0400003C0000000100000001000000300101000
ike 0: RemoteSite:4: initiator: aggressive mode get 1st response
ike 0: RemoteSite:4: VID RPC 3947 4A131C81070358455C5728F20E95452F
ike 0: RemoteSite:4: VID DPD APCAD71368A1F1c96B8696FC77570100
ike 0: RemoteSite:4: VID PORTIGATE 8299031757A36082C6A621DE000502D7
ike 0: RemoteSite:4: peer is FortiGate/PortIOS (v6 b932)
ike 0: RemoteSite:4: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3
ike 0: RemoteSite:4: VID FRAGMENTATION 4048B7D56EBCE88525E7DE7F00D6C2D3C0000000
ike 0: RemoteSite:4: received peer identifier FQDN 'remote'
ike 0: RemoteSite:4: negotiation result
ike 0: RemoteSite:4: proposal id = 1:
ike 0: RemoteSite:4:   protocol id - ISAKMP:
ike 0: RemoteSite:4:     trans_id - KEY_IKE.
ike 0: RemoteSite:4:     encapsulation - IKE/none
ike 0: RemoteSite:4:       type-OAKLEY_ENCRYPT_ALG, val-AES_CBC, key-len=128
ike 0: RemoteSite:4:       type-OAKLEY_HASH_ALG, val-SHA
ike 0: RemoteSite:4:       type-AUTH_METHOD, val-PRESHARED_KEY.
ike 0: RemoteSite:4:       type-OAKLEY_GROUP, val-MODP1024.
ike 0: RemoteSite:4: ISAKMP SA lifetime=86400
ike 0: RemoteSite:4: ISAKMP SA baf47d0988e9237f/2f405ef3952f6fda key
16:B25B6C9384D8BDB24E3DA3DC90CF5E73
ike 0: RemoteSite:4: PSK authentication succeeded
ike 0: RemoteSite:4: authentication OK
ike 0: RemoteSite:4: add INITIAL-CONTACT
ike 0: RemoteSite:4: enc
BAF47D0988E9237F2F405EF3952F6FDA081004010000000000000080140000181F2E48BFD8E9D603F
ike 0: RemoteSite:4: out
BAF47D0988E9237F2F405EF3952F6FDA08100401000000000000008c2E3FC9BA061816A396F009A12
ike 0: RemoteSite:4: sent IKE msg (agg_12send) : 10.0.0.1:500 ->10.0.0.2:500, len=140, id-
baf47d0988e9237f/2
ike 0: RemoteSite:4: established IKE SA baf47d0988e9237f/2f405ef3952f6fda
```

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

- A. The remote gateway IP address is 10.0.0.1.
- B. It shows a phase 1 negotiation.
- C. The negotiation is using AES128 encryption with CBC hash.
- D. The initiator has provided remote as its IPsec peer ID.

Answer: BD

NEW QUESTION 106

Examine the following routing table and BGP configuration; then answer the question below.

```
#get router info routing-table all
*0.0.0.0/0 [10/0] via 10.200.1.254, port1
C10.200.1.0/24 is directly connected, port1
S192.168.0.0/16 [10/0] via 10.200.1.254, port1
# show router bgp
config router bgp
set as 65500
set router-id 10.200.1.1
set network-import-check enable
set ebgp-multipath disable
config neighbor
edit "10.200.3.1"
set remote-as 65501
next
end
config network
edit1
```

The BGP connection is up, but the local peer is NOT advertising the prefix 192.168.1.0/24. Which configuration change will make the local peer advertise this prefix?

- A. Enable the redistribution of connected routers into BGP.
- B. Enable the redistribution of static routers into BGP.
- C. Disable the setting network-import-check.
- D. Enable the setting ebgp-multipath.

Answer: C

NEW QUESTION 107

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 112

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 116

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

# diagnose webfilter fortiguard statistics list	# diagnose webfilter fortiguard statistics list
Raring Statistics:	Cache Statistics:
=====	=====
DNS filures : 273	Maximum memory : 0
DNS lookups : 280	Memory usage : 0
Data send failures : 0	
Data read failures : 0	Nodes : 0
Wrong package type : 0	Leaves : 0
Hash table miss : 0	Prefix nodes : 0
Unknown server : 0	Exact nodes : 0
Incorrect CRC : 0	
Proxy requests failures : 0	Requests : 0
Request timeout : 1	Misses : 0
Total requests : 2409	Hits : 0
Requests to FortiGuard servers : 1182	Prefix hits : 0
Server errored responses : 0	Exact hits : 0
Relayed rating : 0	
Invalid profile : 0	No cache directives : 0
	Add after prefix : 0
Allowed : 1021	Invalid DB put : 0
Blocked : 3909	DB updates : 0
Logged : 3927	
Blocked Errors : 565	Percent full : 0%
Allowed Errors : 0	Branches : 0%
Monitors : 0	Leaves : 0%
Authenticates : 0	Prefix nodes : 0%
Warnings : 18	Exact nodes : 0%
Ovrd request timeout : 0	
Ovrd send failures : 0	Miss rate : 0%
Ovrd read failures : 0	Hit rate : 0%
Ovrd errored responses : 0	Prefix hits : 0%
...	Exact hits : 0%

Which one of the following statements explains why the cache statistics are all zeros?

- A. The administrator has reallocated the cache memory to a separate process.
- B. There are no users making web requests.

- C. The FortiGuard web filter cache is disabled in the FortiGate's configuration.
D. FortiGate is using a flow-based web filter and the cache applies only to proxy-based inspection.

Answer: C

NEW QUESTION 119

Which two statements about OCVPN are true? (Choose two.)

- A. Only root vdom supports OCVPN.
B. OCVPN supports static and dynamic IPs in WAN interface.
C. OCVPN offers only Hub-Spoke VPNs.
D. FortiGate devices under different FortiCare accounts can be used to form OCVPN.

Answer: AB

NEW QUESTION 122

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 127

An administrator added the following Ipsec VPN to a FortiGate configuration:

```
configvpn ipsec phasel -interface edit "RemoteSite"
set type dynamic
set interface "port1" set mode main
set psksecret ENC LCVkCiK2E2PhVUzZe next
end
config vpn ipsec phase2-interface edit "RemoteSite"
set phasel name "RemoteSite" set proposal 3des-sha256
next end
```

However, the phase 1 negotiation is failing. The administrator executed the IKF real time debug while attempting the Ipsec connection. The output is shown in the exhibit.

```
ike 0: comes 10.200.3.1:500->10.200.1.1:500, ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=716
ike 0:xxx/xxx:16: responder: main mode get 1st message...
ike 0:xxx/xxx:16: VID RFC 3947 4A131C81070358455C5728F20E95452F
...
ike 0:xxx/xxx:16: negotiation result
ike 0:xxx/xxx:16: proposal id = 1:
ike 0:xxx/xxx:16:   protocol id = ISAKMP:
ike 0:xxx/xxx:16:   trans_id = KEY IKE.
ike 0:xxx/xxx:16:   encapsulation = IKE/none
ike 0:xxx/xxx:16:   type=OAKLEY_ENCRYPT_ALG, val=AES_CBC.
ike 0:xxx/xxx:16:   type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:xxx/xxx:16:   type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:xxx/xxx:16:   type=OAKLEY_GROUP, val=MODP2048.
ike 0:xxx/xxx:16: ISAKMP SA lifetime=86400
ike 0:xxx/xxx:16: SA proposal chosen, matched gateway DialUpUsers
...
ike 0:DialUpUsers:16: sent IKE msg (ident_r1send): 10.200.1.1:500->10.200.3.1:500, len
id=xxx/xxx
```



```
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=380
ike 0:DialUpUsers:16: responder:main mode get 2nd message...
ike 0:DialUpUsers:16: NAT not detected
ike 0:DialUpUsers:16: sent IKE msg (ident_r2send): 10.200.1.1:500->10.200.3.1:500, len
id=xxx/xxx
ike 0:DialUpUsers:16: ISAKMP SA xxx/xxx key 16:3D33E2EF00BE927701B5C25B05A62415
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=108
ike 0:DialUpUsers:16: responder: main mode get 3rd message...
ike 0:DialUpUsers:16: probable pre-shared secret mismatch
ike 0:DialUpUsers:16: unable to parse msg
```

What is causing the IPsec problem in the phase 1 ?

- A. The incoming IPsec connection is matching the wrong VPN configuration
- B. The phrase-1 mode must be changed to aggressive
- C. The pre-shared key is wrong
- D. NAT-T settings do not match

Answer: C

NEW QUESTION 130

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 135

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

```
# 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
10.200.3.1   4   65501    101       115     0    0    0    never        Active

Total number of neighbors 3
```

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

- A. BGP state of the peer 10.125.0.60 is Established.
- B. BGP peer 10.200.3.1 has never been down since the BGP counters were cleared.
- C. Local BGP peer has not received an OpenConfirm from 10.200.3.1.
- D. The local BGP peer has received a total of 3 BGP prefixes.

Answer: AC

NEW QUESTION 138

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.

Answer: D

NEW QUESTION 143

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=ccclf66d esp=aes key=16 280e5cd6f9bacc65ac771556c464ffbd
      ah=shal 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 146

Which real time debug should an administrator enable to troubleshoot RADIUS authentication problems?

- A. Diagnose debug application radius -1.
- B. Diagnose debug application fnbamd -1.
- C. Diagnose authd console -log enable.
- D. Diagnose radius console -log enable.

Answer: B

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD32838>

NEW QUESTION 150

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
origin->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 155

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 158

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