



# NSE7\_EFW<sup>Q&As</sup>

NSE7 Enterprise Firewall - FortiOS 5.4

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**QUESTION 1**

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
# diagnost 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.

Correct Answer: AB

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**QUESTION 2**

Examine the partial output from the IKE real time debug shown in the exhibit; then answer the question below.



```
#diagnose debug application ike-1
#diagnose debug enable
ike 0:....: 75: responder:aggressive mode get 1st message...
...
ike 0:....: 76: incoming proposal
ike 0:....: 76: proposal id=0:
ike 0:....: 76: protocol id=ISAKMP
ike 0:....: 76: trans_id=KEY_IKE.
ike 0:....: 76: encapsulation=IKE/none
ike 0:....: 76: type=OAKLEY_ENCRYPT_ALG, val=AES_CBC.
ike 0:....: 76: type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:....: 76: type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:....: 76: type=OAKLEY_GROUP, val=MODP2048.
ike 0:....: 76:ISAKMP SA lifetime=86400
ike 0:....: 76:my proposal, gw Remote:
ike 0:....: 76:proposal id=1:
ike 0:....: 76: protocol id=ISAKMP:
ike 0:....: 76: trans_id=KEY_IKE.
ike 0:....: 76: type=OAKLEY_ENCRYPT_ALG, val=DES_CBC.
ike 0:....: 76: type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:....: 76: type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:....: 76: type=OAKLEY_GROUP, val=MODP2048.
ike 0:....: 76:ISAKMP SA lifetime=86400
ike 0:....: 76:proposal id=1:
ike 0:....: 76: protocol id=ISAKMP:
ike 0:....: 76: trans id=KEY IKE.
ike 0:....: 76: encapsulation=IKE/none
ike 0:....: 76: type=OAKLEY_ENCRYPT_ALG, val=DES_CBC.
ike 0:....: 76: type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:....: 76: type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:....: 76: type=OAKLEY_GROUP, val=MODP1536.
ike 0:....: 76:ISAKMP SA lifetime=86400
ike 0:....: 76:negotiation failure
ike Negotiate ISAKMP SA Error:ike 0: ....: 76: no SA proposal chosen
```

Why didn't the tunnel come up?

- A. IKE mode configuration is not enabled in the remote IPsec gateway.
- 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. One IPsec gateway is using main mode, while the other IPsec gateway is using aggressive mode.

Correct Answer: B

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### QUESTION 3

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_shape=
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=10.200.1.254/10.1.1.10
hook=post dir=org act=snst 10.0.1.10:65464->54.192.15.185:80(10.200.1.1:65464)
pos/ (before, after) 0/(0/0), 0/(0/0)
misc=0 policy_id=1 aut_info=0 chk_client_info=0 vd=0
serial=0000009B 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.

Correct Answer: B

### QUESTION 4

Four FortiGate devices configured for OSPF connected to the same broadcast domain. The first unit is elected as the designated router The second unit is elected as the backup designated router Under normal operation, how many OSPF full adjacencies are formed to each of the other two units?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: B

### QUESTION 5



In which of the following states is a given session categorized as ephemeral? (Choose two.)

- A. A TCP session waiting to complete the three-way handshake.
- B. A TCP session waiting for FIN ACK.
- C. A UDP session with packets sent and received.
- D. A UDP session with only one packet received.

Correct Answer: BC

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