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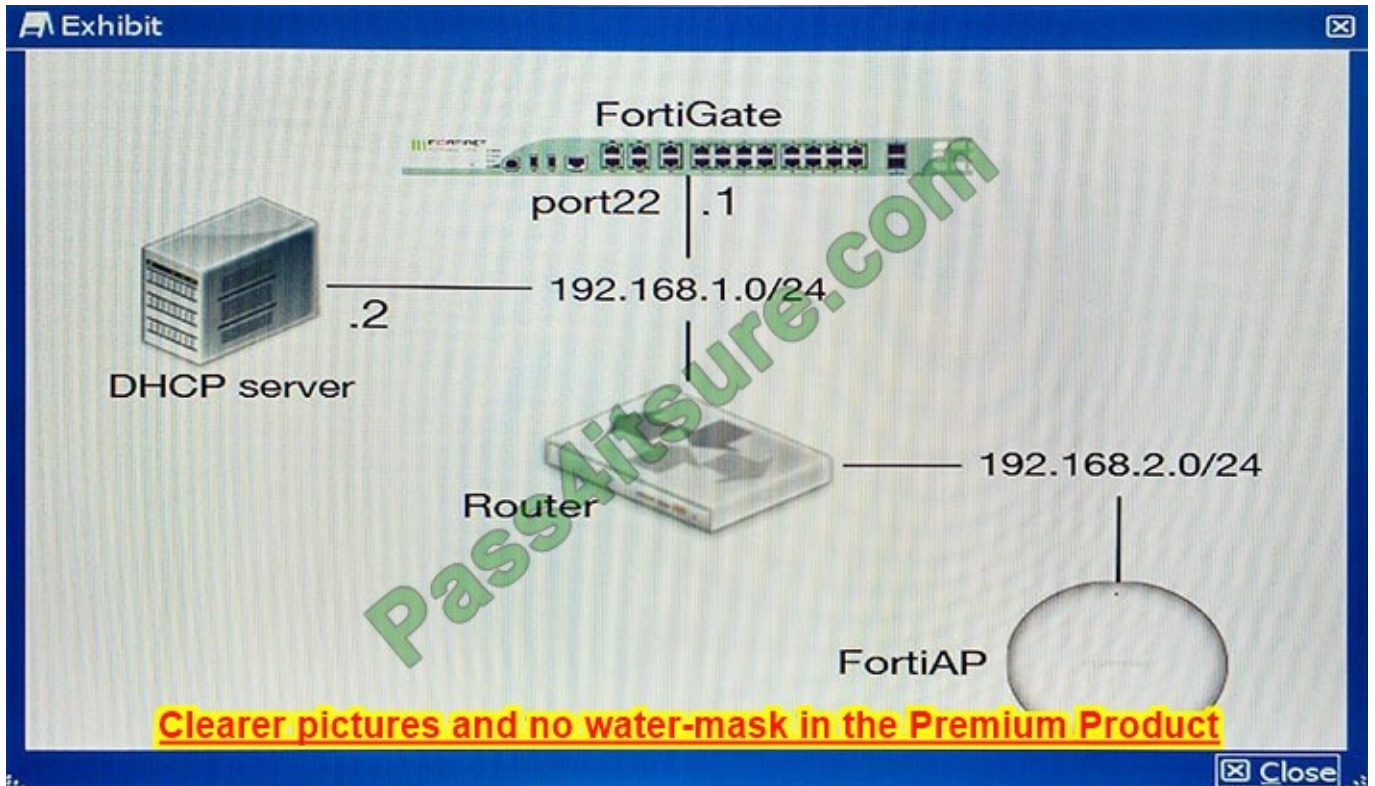
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QUESTION 1



You are installing a new FortiAP as shown in the exhibit, however, the FortiAP cannot discover the FortiGate. The FortiAP obtained an IP from the DHCP server and is reachable. Which two configurations will resolve the problem? (Choose two.)



A.

On the FortiGate:

```
config system interface
  edit "port22"
    append allowaccess capwap
  next
end
```

On the DHCP server:

Set option 138 for the FortiAP's subnet scope to C0A80101.

B.

On the FortiGate:

```
config system interface
  edit "port22"
    set dhcp-relay-service enable
    set allowaccess capwap
  next
end
```

On the DHCP server:

Set option 138 for the FortiAP's subnet scope to 192.168.1.1.

On the router:

Make sure that multicast routing is enabled.

C.

On the FortiGate:

```
config system interface
  edit "port22"
    set dhcp-relay-service 192.168.1.2 enable
  next
end
```

On the DHCP server:

Set option 138 for the FortiAP's subnet scope to 192.168.1.1.

On the FortiAP:

```
cfg -a AC_IPADDR_1="192.168.1.1"
cfg -c
```

D.

On the FortiGate:

```
config system interface
  edit "port22"
    append allowaccess capwap
  next
end
```

On the FortiAP:

```
cfg -a AC_IPADDR_1="192.168.1.1"
cfg -c
```

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A. B. C. D.

Correct Answer: D

References: <https://forum.fortinet.com/tm.aspx?m=112739>

QUESTION 2

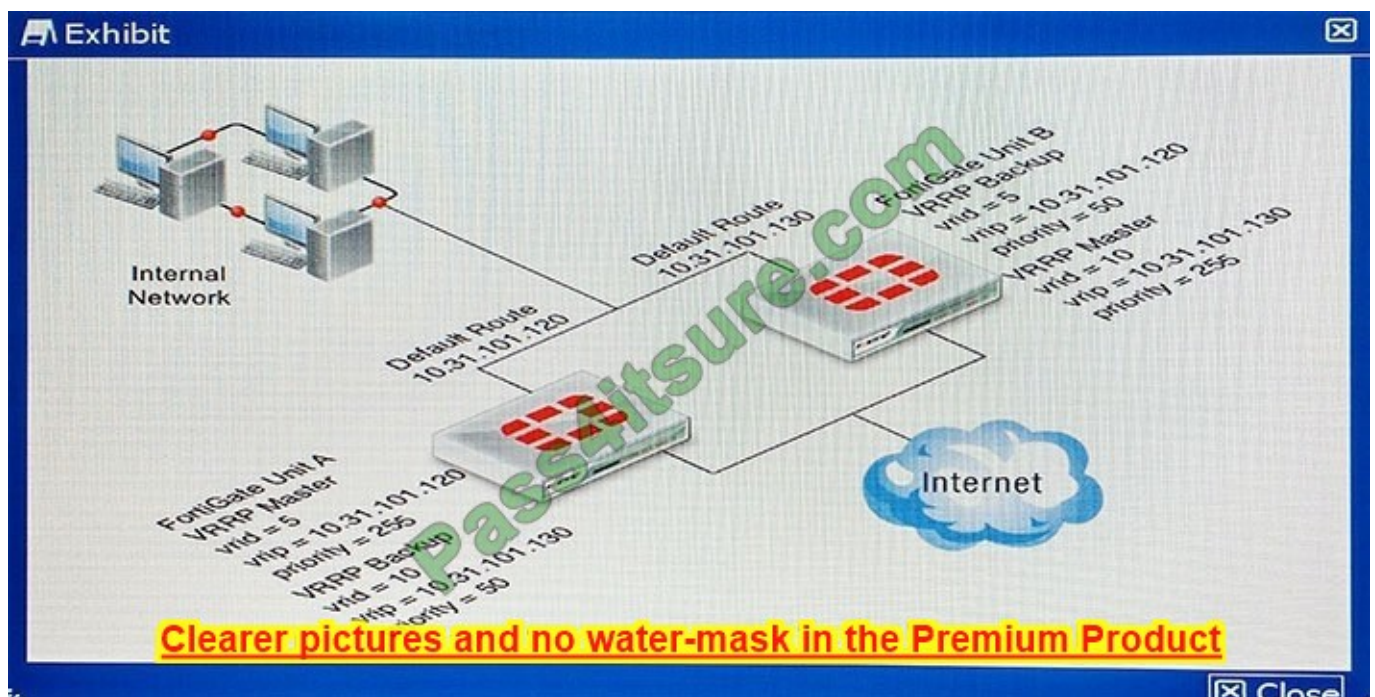
Which three configuration scenarios will result in an IPsec negotiation failure between two FortiGate devices? (Choose three.)

- A. mismatched phase 2 selectors
- B. mismatched Anti-Replay configuration
- C. mismatched Perfect Forward Secrecy
- D. failed Dead Peer Detection negotiation
- E. mismatched IKE version

Correct Answer: C

In IPsec negotiations, Perfect Forward Secrecy (PFS) ensures that each new cryptographic key is unrelated to any previous key. Either enable or disable PFS on both the tunnel peers; otherwise, the LAN-to-LAN (L2L) IPsec tunnel is not established

QUESTION 3



Referring to the diagram shown in the exhibit, you deployed VRRP load balancing using two FortiGate units and two



VRRP groups with a VRRP virtual MAC address enabled on both FortiGate's port2 interface. During normal operation, both

FortiGate units are processing traffic and the VRRP groups are used to load balance the traffic between the two FortiGate units.

If FortiGate unit A fails, what would happen?

- A. The FortiGate Unit B port2 interface sends gratuitous ARPs to associate the VRRP virtual router IP address with its own MAC address, and all traffic fails over to it.
- B. The FortiGate Unit B port2 interface will use virtual MAC addresses of 00-00-5e-00-01-05 and 00-00-5e-00-01-0a, and all traffic fails over to it.
- C. The FortiGate Unit B port2 interface will use virtual MAC addresses of 00-a0-5e-00-01-05 and 00-a0-5e-00-01-0a, and all traffic fails over to it.
- D. The FortiGate Unit B port2 interface will use the physical MAC addresses of the FortiGate Unit A port2 interface, and all traffic fails over to it.

Correct Answer: B

If primary fails secondary device uses virtual mac address to forward traffic

QUESTION 4

A customer has the following requirements:

- local peer with two Internet links
- remote peer with one Internet link
- secure traffic between the two peers
- granular control with Accept policies

Which solution provides security and redundancy for traffic between the two peers?

- A. a fully redundant VPN with interface mode configuration
- B. a partially redundant VPN with interface mode configuration
- C. a partially redundant VPN with tunnel mode configuration
- D. a fully redundant VPN with tunnel mode configuration

Correct Answer: B

QUESTION 5

A company has just installed a new FortiGate in their core to route and inspect traffic between their subnetted VLANs. The security department reports that after the installation, their IP video cameras no longer work. Research by the IT



department shows that the video system uses a multicast stream to send the video to multiple video receivers.

Which two commands must be configured to resolve this problem? (Choose two.)

A.

```
config firewall multicast-policy
  edit 1
    set action accept
  next
end
```

B.

```
config system settings
  set multicast-forward enable
  set multicast-skip-policy disable
end
```

C.

```
config system multicast
  edit 1
    set forward enable
  next
end
```

D.

```
config firewall policy
  edit 1
    set srcintf "any"
    set dstintf "any"
    set srcaddr "all"
    set dstaddr "all"
    set action accept
    set service "multicast"
  next
```

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A. B. C. D.

Correct Answer: BD

<http://kb.fortinet.com/kb/documentLink.do?externalID=FD36500>

QUESTION 6

Which two features are supported only by FortiMail but not by FortiGate? (Choose two.)



- A. DNSBL
- B. built-in MTA
- C. end-to-end IBE encryption
- D. FortiGuard Antispam

Correct Answer: AB

QUESTION 7

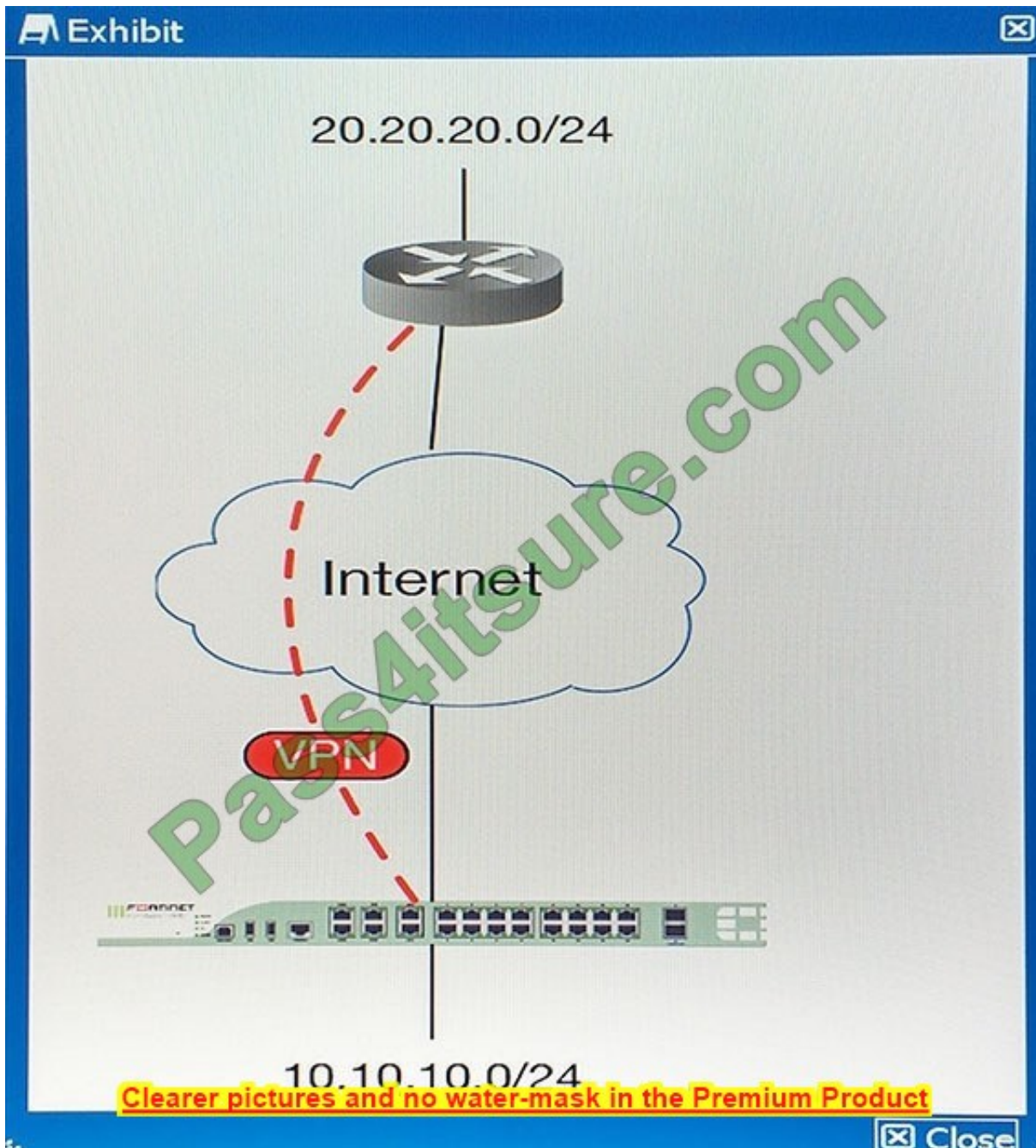
A FortiGate is deployed in the NAT/Route operation mode. This operation mode operates at which OSI layer?

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

Correct Answer: C

QUESTION 8

You are asked to establish a VPN tunnel with a service provider using a third-party VPN device. The service provider has assigned subnet 30.30.30.0/24 for your outgoing traffic going towards the services hosted by the provider on network 20.20.20.0/24. You have multiple computers which will be accessing the remote services hosted by the service provider.



Which three configuration components meet these requirements? (Choose three.)

- A. Configure an IP Pool of type Overload for range 30.30.30.10-30.30.30.10. Enable NAT on a policy from your LAN forwards the VPN tunnel and select that pool.
- B. Configure IPsec phase 2 proxy IDs for a source of 10.10.10.0/24 and destination of 20.20.20.0/24.
- C. Configure an IP Pool of Type One-to-One for range 30.30.30.10-30.30.30.10. Enable NAT on a policy from your LAN towards the VPN tunnel and select that pool.
- D. Configure a static route towards the VPN tunnel for 20.20.20.0/24.
- E. Configure IPsec phase 2 proxy IDs for a source of 30.30.30.0/24 and destination of 20.20.20.0/24.



Correct Answer: C

QUESTION 9

You are managing a FortiAnalyzer appliance. After an upgrade, you notice that the unit no longer displays historical logs, reports do not produce any data, and FortiView summary views are empty. However, you notice that the unit is receiving

logs on the dashboard widgets.

Which step resolves this problem?

- A. Execute the CLI command `exec sql-local rebuild-db`.
- B. Execute the CLI command `diag sql remove hcache`.
- C. Execute the CLI command `exec sql-local reinsert-logs`.
- D. Restore the unit settings from a previous backup.

Correct Answer: A

QUESTION 10

You want to enable traffic between `2001:db8:1::/64` and `2001:db8:2::/64` over the public IPv4 Internet.

```
config vpn ipsec phase1-interface
  edit "ipv4_to_ipv6"
    set interface "port1"
    set remote-gw 10.200.3.1
    set psksecret fortinet
  next
end

config vpn ipsec phase2-interface
  edit "ipv4_to_ipv6-P2"
    set phase1name "ipv4_to_ipv6"
    set src-addr-type subnet6
    set dst-addr-type subnet6
    set src-subnet6 2001:db8:1::/64
    set dst-subnet6 2001:db8:2::/64
  next
end
```



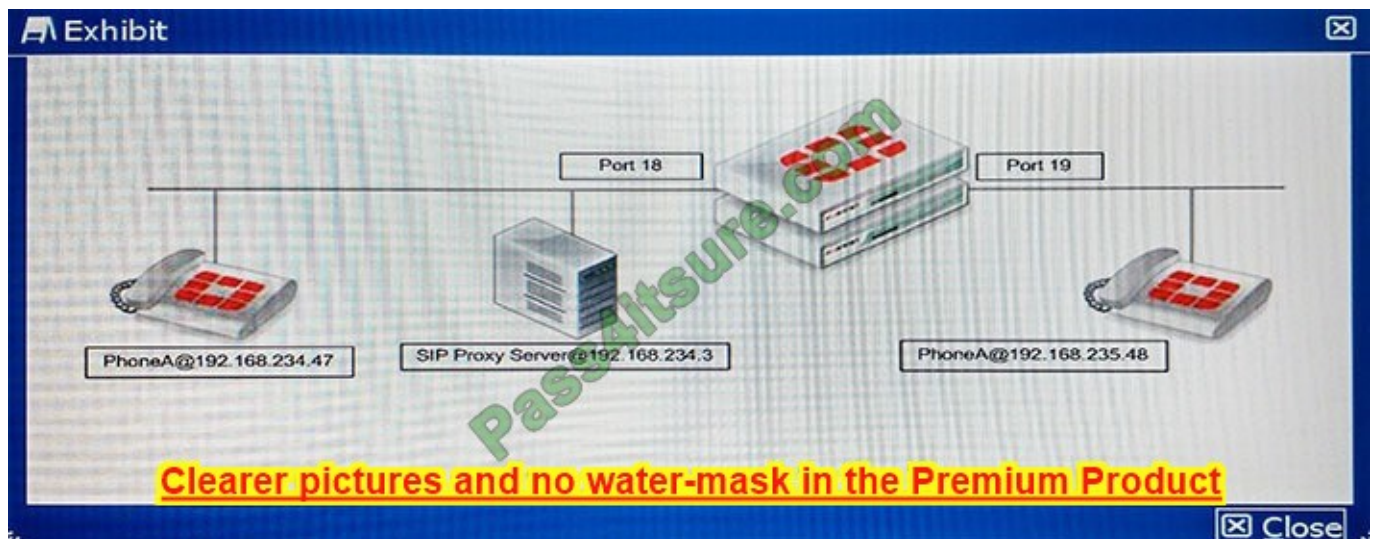
Given the CLI configuration shown in the exhibit, which two additional settings are required on this device to implement tunneling for the IPv6 transition? (Choose two.)

- A. IPv4 firewall policies to allow traffic between the local and remote IPv6 subnets.
- B. IPv6 static route to the destination phase2 destination subnet.
- C. IPv4 static route to the destination phase2 destination subnet.
- D. IPv6 firewall policies to allow traffic between the local and remote IPv6 subnets.

Correct Answer: D

References: <http://docs.fortinet.com/uploaded/files/1969/IPv6%20Handbook%20for%20FortiOS%205.2.pdf>

QUESTION 11



Referring to the exhibit, users are reporting that their FortiPhones ring but when they pick up, they cannot hear each other. The FortiPhones use SIP to communicate with the SIP Proxy Server and RTP between the phones. Which configuration change will resolve the problem?



A.

```
config voip profile
  edit default
    config sip
      set ips-rtp disable
    end
  end
end
```

B.

```
config system settings
  set sip-tcp-port 5060
end
```

C.

```
config firewall policy
  edit 1
    set srcintf port18
    set dstintf port19
    set srcaddr 192.168.234.3/24
    set dstaddr 192.168.235.0/24
    set action accept
    set schedule always
    set service SIP
    set utm-status enable
    set voip-profile default
  next
end
```

D.

```
config firewall policy
  edit 1
    set srcintf port19
    set dstintf port18
    set srcaddr 192.168.235.0/24
    set dstaddr 192.168.234.0/24
    set action accept
    set schedule always
    set service SIP
    set utm-status enable
    set voip-profile default
  next
```

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A. B. C. D.

Correct Answer: C

References: <http://docs.fortinet.com/uploaded/files/2813/fortigate-sip-54.pdf>

QUESTION 12

The FortiGate is used as an IPsec gateway at a branch office. Two tunnels, tunA and tunB, are established between this FortiGate and the headquarters' IPsec gateway. The branch office's subnet is 10.1.1.0/24. The headquarters' subnet is 10.2.2.0/24. The desired usage for tunA and tunB has been defined as follows:

-

sessions initiated from 10.1.1.0/24 to 10.2.2.0/24 must be routed out over tunA when tunA is up

-

sessions initiated from 10.1.1.0/24 to 10.2.2.0/24 have to be routed out over tunB when tunA is down

-

sessions initiated from 10.2.2.0/24 can ingress either on tunA or on tunB Which static routing configuration meets the requirements?



A.

```
config router static
edit 1
set dst 10.2.2.0 255.255.255.0
set distance 10
set device "tunA"
next
edit 2
set dst 10.2.2.0 255.255.255.0
set distance 20
set device "tunB"
next
end
```

B.

```
config router static
edit 1
set dst 10.2.2.0 255.255.255.0
set distance 10
set priority 5
set device "tunA"
next
edit 2
set dst 10.2.2.0 255.255.255.0
set distance 10
set priority 10
set device "tunB"
next
```

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A. B.



C.

```
config router static
edit 1
set dst 10.2.2.0 255.255.255.0
set distance 10
set weight 20
set device "tunA"
next
edit 2
set dst 10.2.2.0 255.255.255.0
set distance 10
set weight 10
set device "tunB"
next
end
```

D.

```
config router static
edit 1
set dst 10.2.2.0 255.255.255.0
set distance 10
set device "tunA"
next
edit 2
set dst 10.2.2.0 255.255.255.0
set distance 10
set device "tunB"
next
```

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C. D.

Correct Answer: C

QUESTION 13

Your colleague has enabled virtual clustering to load balance traffic between the cluster units. You notice that all traffic is currently directed to a single FortiGate unit. Your colleague has applied the configuration shown in the exhibit.



```
config global
  config system ha
    set mode a-p
    set override disable
    set group-name yourcompany.com
    set password HA_mycompany_1
    set vcluster2 enable
  config secondary-vcluster
    set vdom domain_2
  end
end
end
```

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Which step would you perform to load balance traffic within the virtual cluster?

- A. Issue the diagnose sys ha reset-uptime command on the unit that is currently processing traffic to enable load balancing.
- B. Add an additional virtual cluster high-availability link to enable cluster load balancing.
- C. Input Virtual Cluster domain 1 and Virtual Cluster domain 2 device priorities for each cluster unit.
- D. Use the set override enable command on both units to allow the secondary unit to load balance traffic.

Correct Answer: C

Reference: <http://docs.fortinet.com/uploaded/files/1088/fortigate-ha-50.pdf>

QUESTION 14

Your FortiGate has multiple CPUs. You want to verify the load for each CPU. Which two commands will accomplish this task? (Choose two.)

- A. get system performance status
- B. diag system mpstat
- C. diag system cpu stat
- D. diag system top

Correct Answer: AD



References: <http://kb.fortinet.com/kb/documentLink.do?externalID=13825>

QUESTION 15

Which three statements about throughput on a wireless network are true? (Choose three.)

- A. A wireless device labelled as 300 Mbps should be expected to provide a throughput of 300Mbps.
- B. Be careful to ensure the capabilities of the wireless clients match those of the access points, in order to achieve higher throughput.
- C. Reducing the duty cycles of the wireless media by generating fewer beacons may improve throughput.
- D. Because of the higher level of RF noise that is typical in the 2.4 GHz ISM band, throughput of 2.4 GHz devices will typically be less than 5 GHz devices.
- E. Because of the full-duplex nature of the medium and the minimal overhead generated by CSMA/CA, the actual aggregate throughput is typically close to the data rate.

Correct Answer: D

References: <http://www.tp-link.in/faq-499.html>

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