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QUESTION 1

A university is looking for a solution with the following requirements:

-wired and wireless connectivity

-authentication (LDAP)

-Web filtering, DLP and application control

-data base integration using LDAP to provide access to those students who are up-to-date with their monthly payments

-support for an external captive portal

Which solution meets these requirements?

A. FortiGate for wireless controller and captive portal FortiAP for wireless connectivity FortiAuthenticator for user authentication and REST API for DB integration FortiSwitch for PoE connectivity FortiAnalyzer for log and report

B. FortiGate for wireless controller FortiAP for wireless connectivity FortiAuthenticator for user authentication, captive portal and REST API for DB integration FortiSwitch for PoE connectivity FortiAnalyzer for log and report

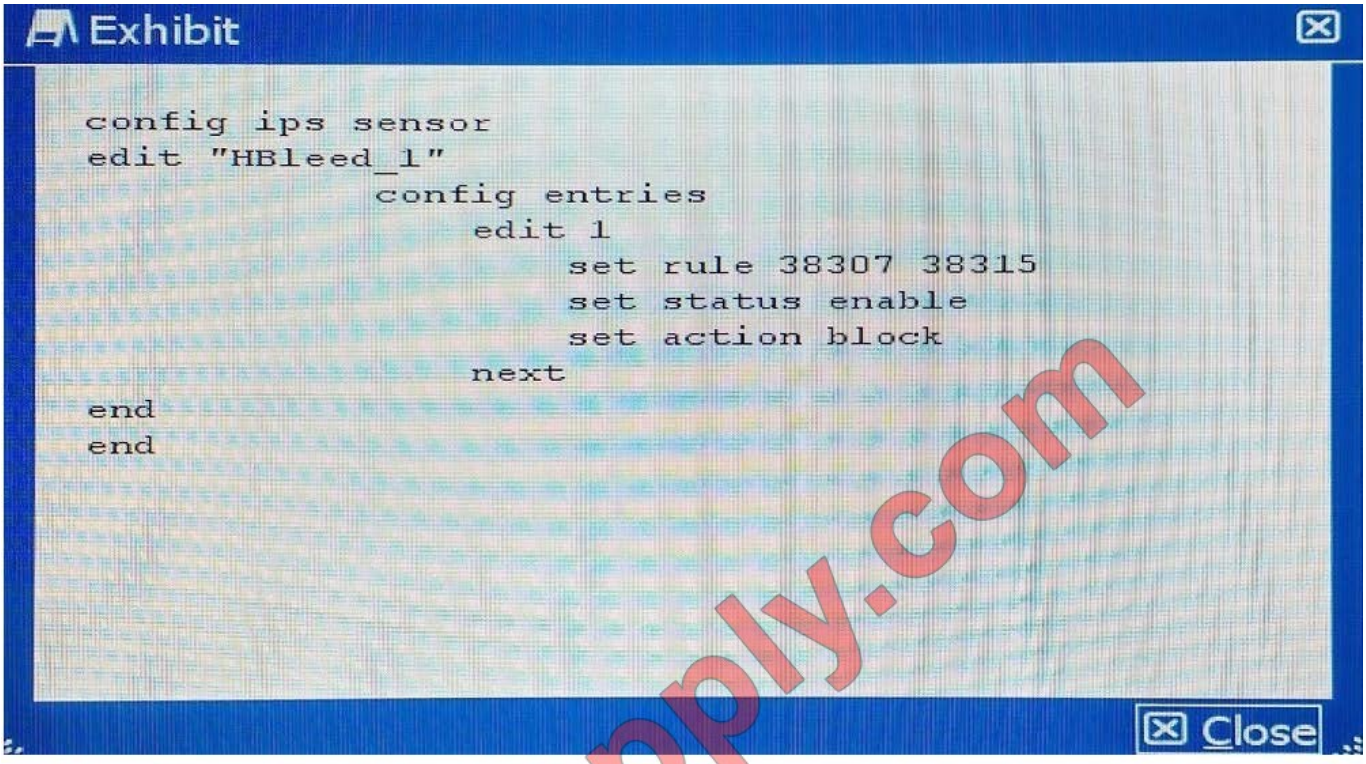
C. FortiGate for wireless control and user authentication FortiAuthenticator for captive portal and REST API for DB integration FortiAP for wireless connectivity FortiSwitch for PoE connectivity FortiAnalyzer for log and report

D. FortiGate for wireless controller FortiAP for wireless connectivity and captive portal FortiSwitch for PoE connectivity FortiAuthenticator for user authentication and REST API for DB integration FortiAnalyzer for log and reports

Correct Answer: A

QUESTION 2

Your security department has requested that you implement the OpenSSL.TLS.Heartbeat.Information.Disclosure signature using an IPS sensor to scan traffic destined to the FortiGate. You must log all packets that attempt to exploit this vulnerability. Referring to the exhibit, which two configurations are required to accomplish this task? (Choose two.)



A.

```
config firewall interface-policy
edit 0
set interface "wan1"
set ips-sensor-status enable
set ips-sensor "HBleed_1"
next
```

B.

```
config ips sensor
edit "Hbleed_1"
config entries
     edit 1
     set attack log enable
next
```

C.

```
config firewall policy
     edit 0
          set uuid 996de43c-560f-51e4-c971-f0b5d05c9776
          set dstintf "lan"
          set ips-sensor "HBleed_1"
next
```

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A. B. C.

```
config ips sensor
edit "Hbleed_1"
config entries
     edit 1
     set log-packet enable
ne
```

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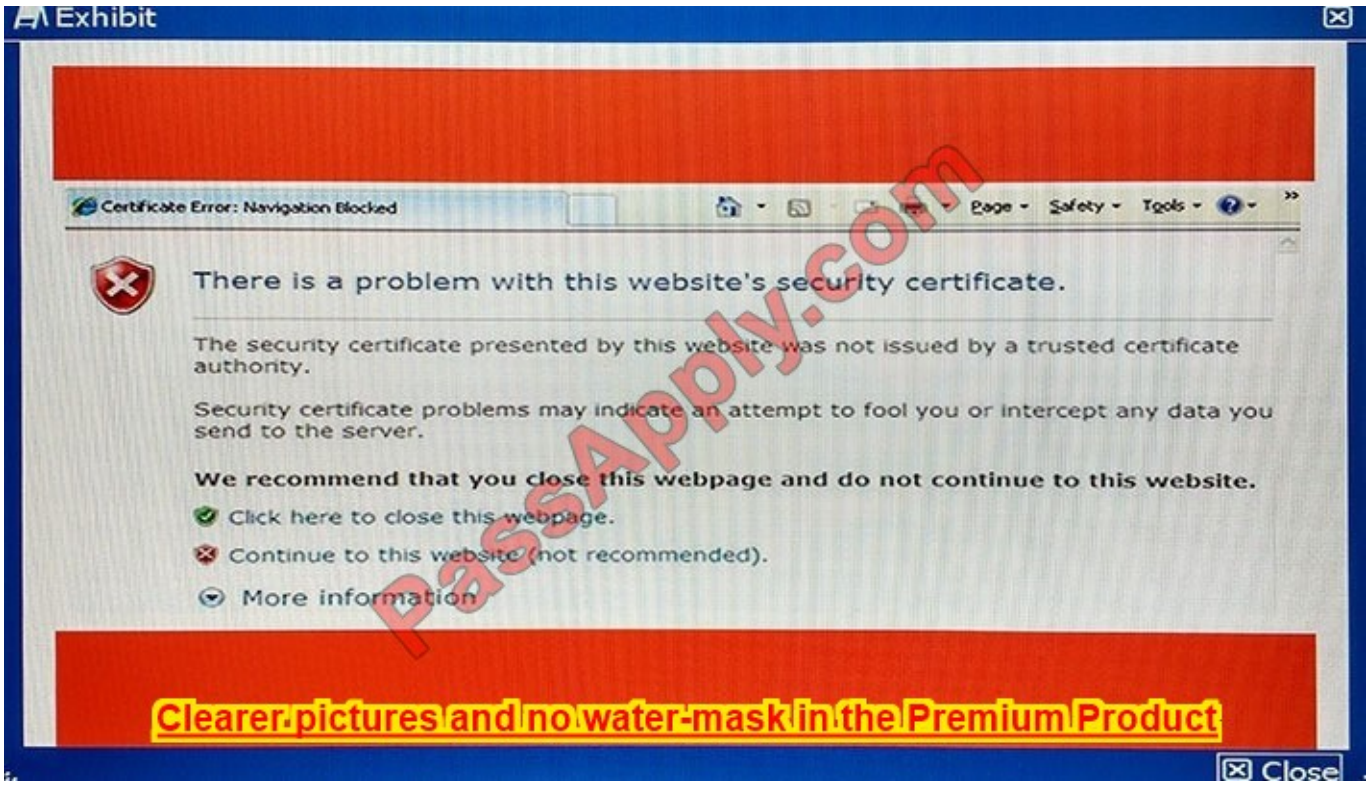
D.

Correct Answer: B

http://defadhil.blogspot.in/2014/04/how-to-protect-fortigate-from.html

QUESTION 3

You have replaced an explicit proxy Web filter with a FortiGate. The human resources department requires that all URLs be logged. Users are reporting that their browsers are now indicating certificate errors as shown in the exhibit.



Which step is a valid solution to the problem?

A. Make sure that the affected users\\' browsers are no longer set to use the explicit proxy.

B. Import the FortiGate\\'s SSL CA certificate into the Web browsers.

C. Change the Web filter policies on the FortiGate to only do certificate inspection.

D. Make a Group Policy to install the FortiGate\\'s SSL certificate as a trusted host certificate on the Web browser.

Correct Answer: D

For https traffic inspection, client machine should install fortigate\\'s ssl certificate

QUESTION 4

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

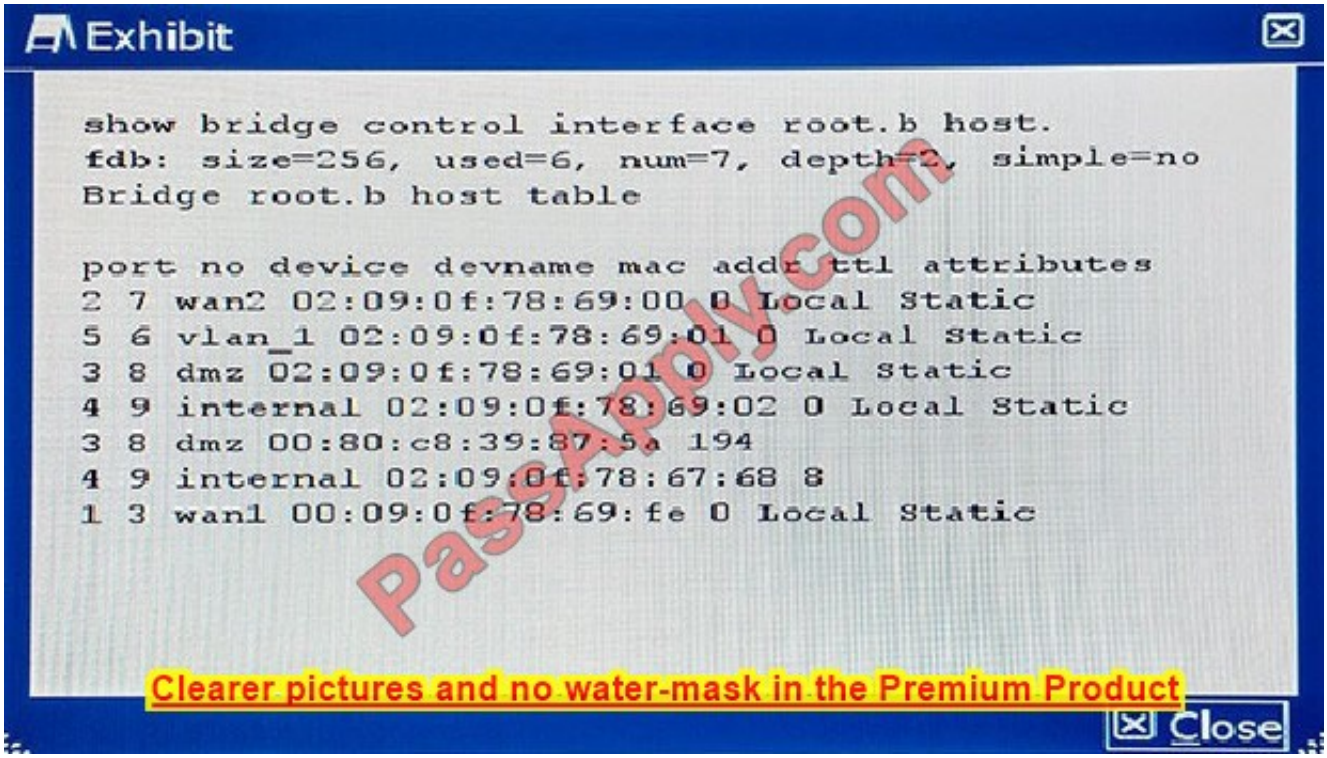
D. failed Dead Peer Detection negotiation

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 5



Referring to the command output shown in the exhibit, how many hosts are connected to the FortiGate?

A. 7

B. 6

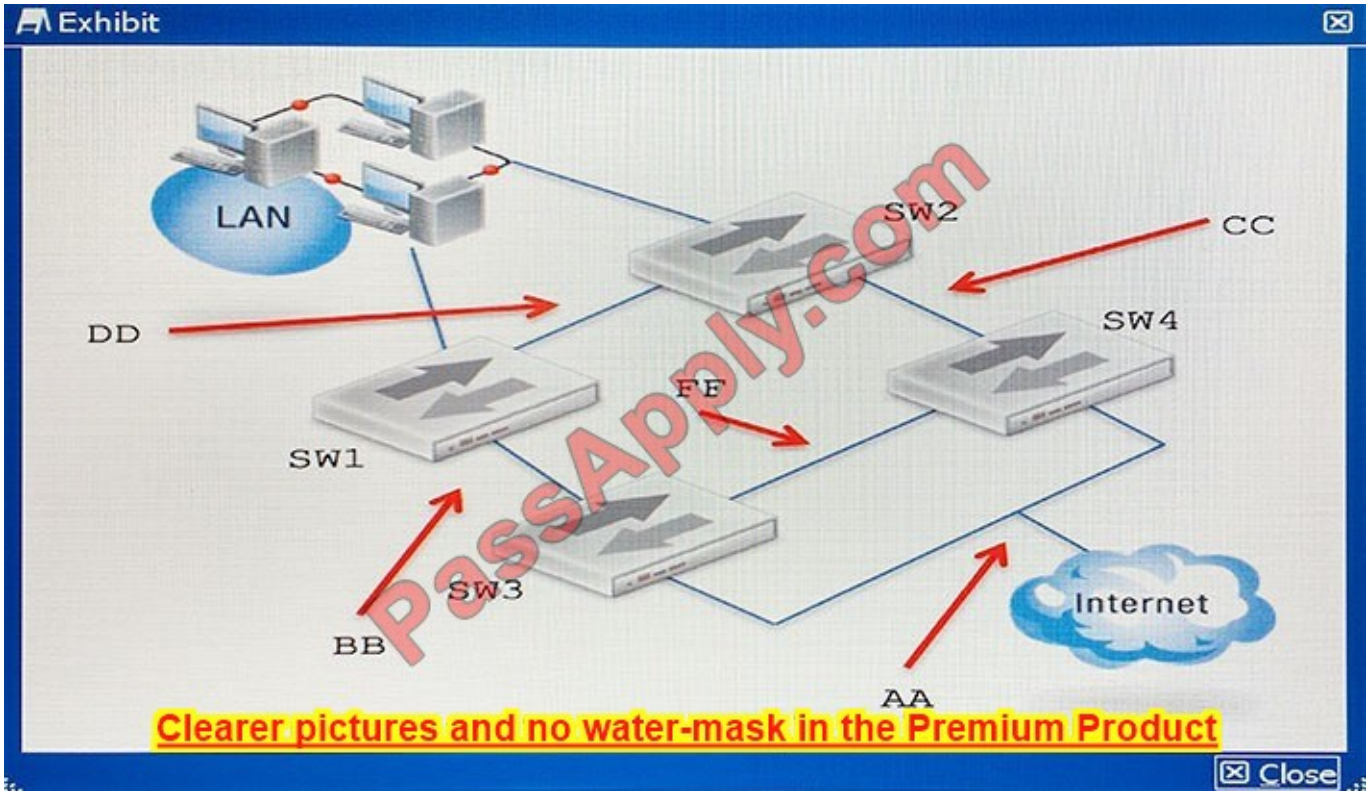
C. 2

D. 256

Correct Answer: B

References: http://cookbook.fortinet.com/troubleshooting-fortigate-installation/

QUESTION 6



A customer wants to secure the network shown in the exhibit with a full redundancy design. Which security design would you use?

A. Place a FortiGate FGCP Cluster between DD and AA, then connect it to SW1, SW2, SW3, and SW4.

B. Place a FortiGate FGCP Cluster between BB and CC, then connect it to SW1, SW2, SW3, and SW4.

C. Place a FortiGate FGCP Cluster between BB and AA, then connect it to SW1, SW2, SW3, and SW4.

D. Place a FortiGate FGCP Cluster between DD and FF, then connect it to SW1, SW2, SW3, and SW4.

Correct Answer: A

QUESTION 7

Given the following FortiOS 5.2 commands:

Which vulnerability is being addresses when managing FortiGate through an encrypted management protocol?

A. Remote Exploit Vulnerability in Bash (ShellShock)

B. Information Disclosure Vulnerability in OpenSSL (Heartbleed)

C. SSL v3 POODLE Vulnerability

D. SSL/TLS MITM vulnerability (CVE-2014-0224)

Correct Answer: C

References: http://kb.fortinet.com/kb/documentLink.do?externalID=FD36913

QUESTION 8

You notice that your FortiGate\\'s memory usage is very high and that the unit\\'s performance is adversely affected. You want to reduce memory usage. Which three commands would meet this requirement? (Choose three.)

A.
```
config system fortiguard
set webfilter-cache-ttl 500
set antispam-cache-ttl 500
end
```

B.
```
config ips global
set algorithm low
end
```

C.
```
config system dns
set dns-cache-limit 10000
end
```

D.
```
config system session-ttl
set default 7200
end
```

E.
```
config system global
set tcp-halfclose-timer 10
set udp-idle-timer 90
end
```

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A. B. C. D. E.

Correct Answer: ADE

QUESTION 9

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

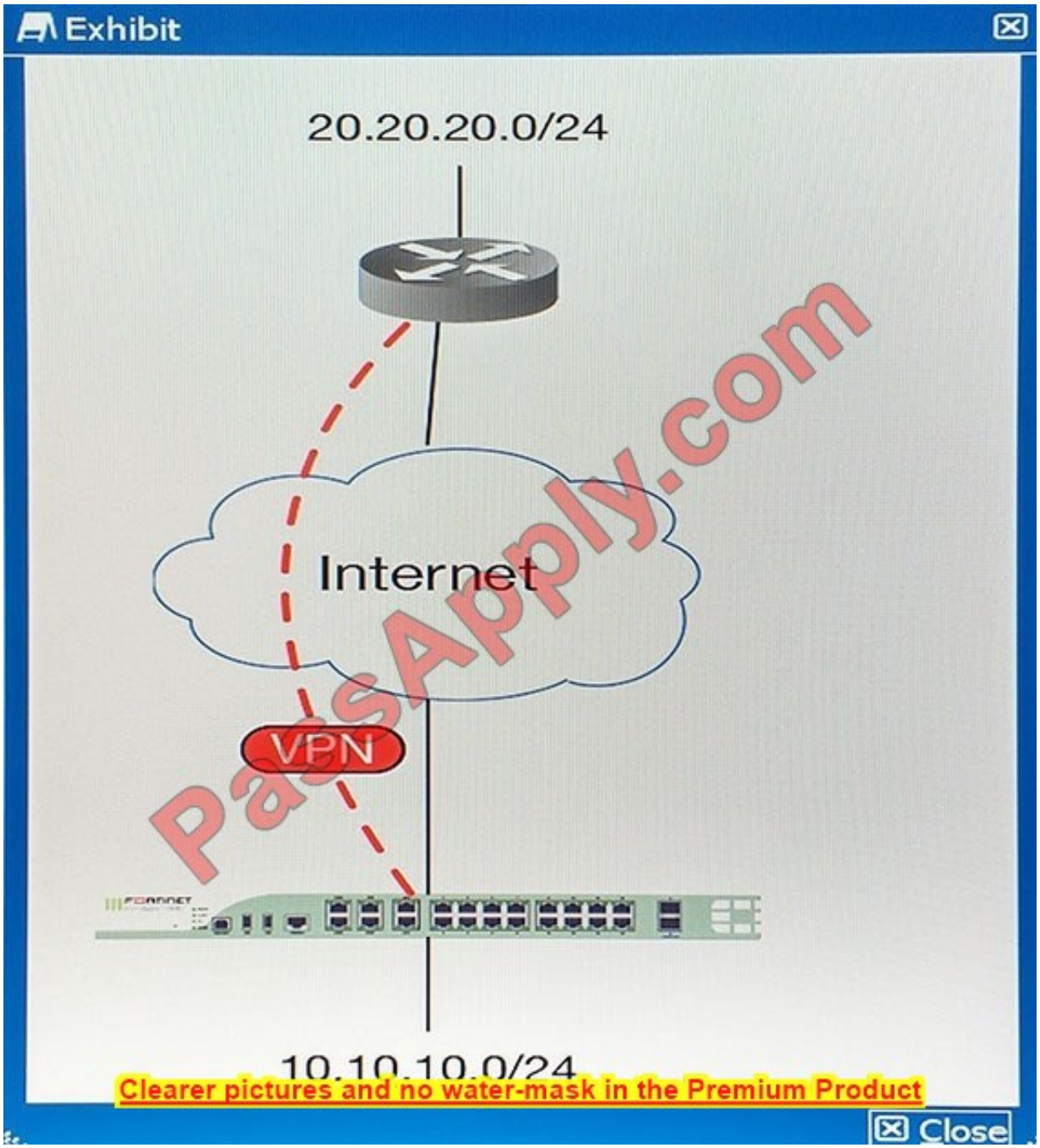
C. a partially redundant VPN with tunnel mode configuration

D. a fully redundant VPN with tunnel mode configuration

Correct Answer: B

QUESTION 10

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 11

You have deployed two FortiGate devices as an HA pair. One FortiGate will process traffic while the other FortiGate is a standby. The standby monitors the primary for failure and only takes the role of processing traffic if it detects that the

primary FortiGate has failed.

Which style of FortiGate HA does this scenario describe?

A. active-passive HA

B. active-active HA

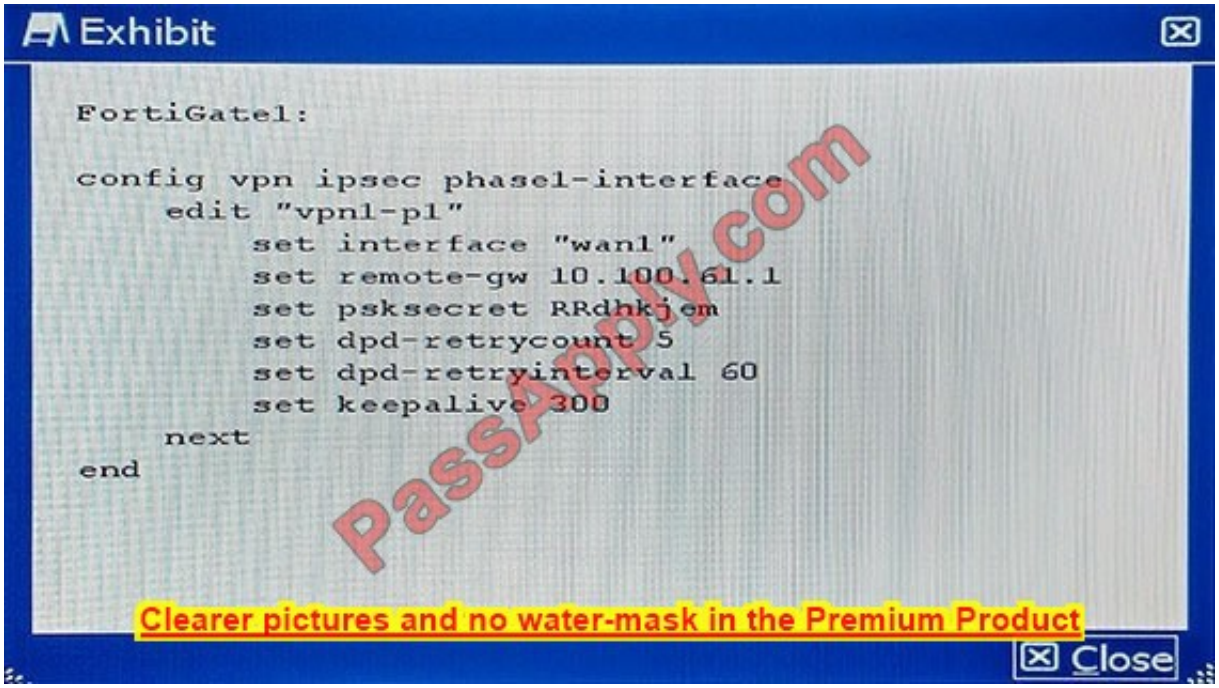
C. partial mesh HA

D. full mesh HA

Correct Answer: A

QUESTION 12

FortiGate1 has a gateway-to-gateway IPsec VPN to FortiGate2. The entire IKE negotiation between FortiGate1 and FortiGate2 is on UDP port 500. A PC on FortuGate2\\'s local area network is sending continuous ping requests over the VPN tunnel to a PC of FortiGate1\\'s local area network. No other traffic is sent over the tunnel.



Which statement is true on this scenario?

A. FortiGate1 sends an R-U-THERE packet every 300 seconds while ping traffic is flowing.

B. FortiGate1 sends an R-U-THERE packet if pings stop for 300 seconds and no IKE packet is received during this period.

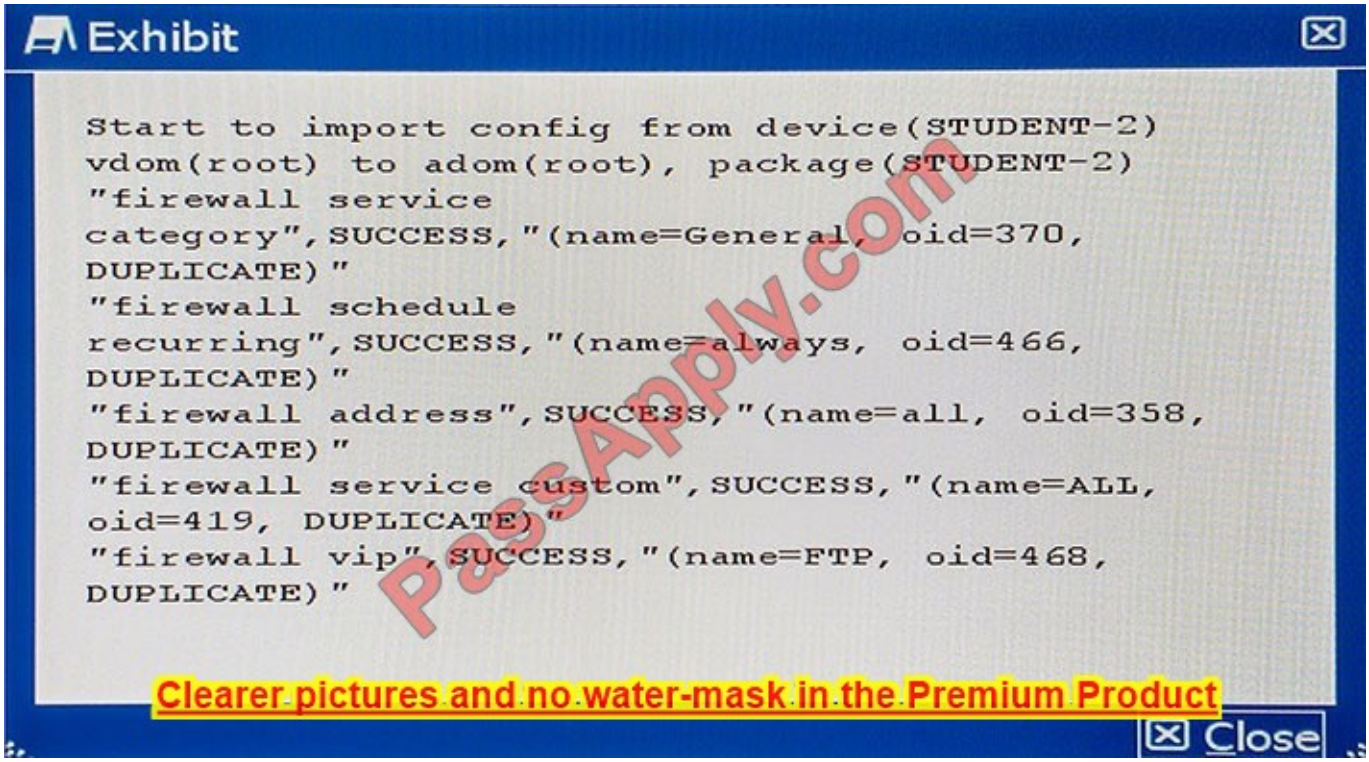
C. FortiGate1 sends an R-U-THERE packet if pings stop for 60 seconds and no IKE packet is received during this period.

D. FortiGate1 sends an R-U-THERE packet every 60 seconds while ping traffic is flowing.

Correct Answer: C

References: http://kb.fortinet.com/kb/documentLink.do?externalID=FD35337

QUESTION 13



The output shown in the exhibit from FortiManager is displayed during an import of the device configuration. Which statement describes the correct action taken for these duplicate objects?

A. The import fails because of the duplicate entries detected which exist in the ADOM database.

B. FortiManager installs these duplicate objects to the managed device from the ADOM database.

C. FortiManager does not import these duplicate entries into the ADOM database because they already exist in the ADOM database.

D. FortiManager creates indexed duplicate entries for these objects in the ADOM database.

Correct Answer: B

References: http://docs.fortinet.com/uploaded/files/2905/FortiManager-5.4.0-Administration-Guide.pdf

QUESTION 14

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 15

A customer wants to implement a RADIUS Single Sign On (RSSO) solution for multiple FortiGate devices. The customer\\'s network already includes a RADIUS server that can generate the logon and logoff accounting records. However, the

RADIUS server can send those records to only one destination.

What should the customer do to overcome this limitation?

A. Send the RADIUS records to an LDAP server and add the LDAP server to the FortiGate configuration.

B. Send the RADIUS records to an RSSO Collector Agent.

C. Send the RADIUS records to one of the FortiGate devices, which can replicate them to the other FortiGate units.

D. Use the RADIUS accounting proxy feature available in FortiAuthenticator devices.

Correct Answer: B

References: http://docs.fortinet.com/uploaded/files/1937/fortigate-authentication-52.pdf

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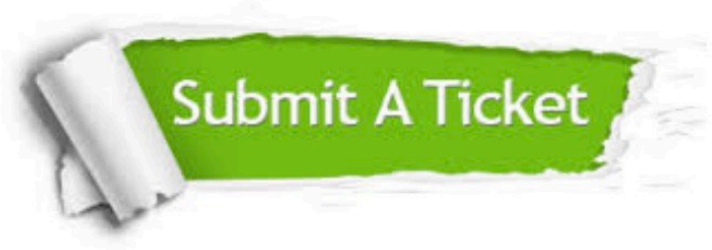

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