



Fortinet

Exam Questions NSE4

Fortinet Network Security Expert 4 Written Exam (400)

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NEW QUESTION 1

What is the effect of enabling auto-negotiate on the phase 2 configuration of an IPsec tunnel?

- A. FortiGate automatically negotiates different local and remote addresses with the remote peer.
- B. FortiGate automatically negotiates a new security association after the existing security association expires.
- C. FortiGate automatically negotiates different encryption and authentication algorithms with the remote peer.
- D. FortiGate automatically brings up the IPsec tunnel and keeps it up, regardless of activity on the IPsec tunnel.

Answer: D

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=12069>

NEW QUESTION 2

Which statements best describe auto discovery VPN (ADVPN). (Choose two.)

- A. It requires the use of dynamic routing protocols so that spokes can learn the routes to other spokes.
- B. ADVPN is only supported with IKEv2.
- C. Tunnels are negotiated dynamically between spokes.
- D. Every spoke requires a static tunnel to be configured to other spokes so that phase 1 and phase 2 proposals are defined in advance.

Answer: AC

NEW QUESTION 3

An administrator does not want to report the logon events of service accounts to FortiGate. What setting on the collector agent is required to achieve this?

- A. Add the support of NTLM authentication.
- B. Add user accounts to Active Directory (AD).
- C. Add user accounts to the FortiGate group filter.
- D. Add user accounts to the Ignore User List.

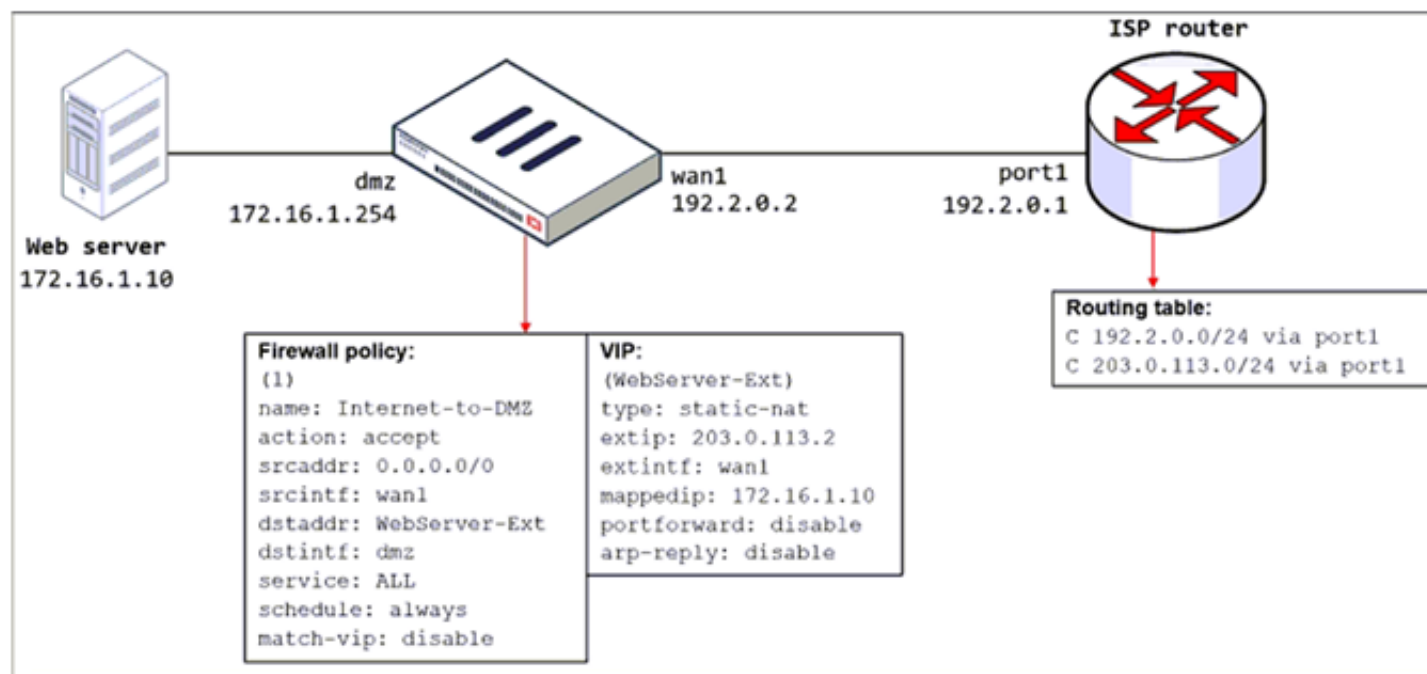
Answer: D

NEW QUESTION 4

Refer to the exhibit.

The exhibit shows a diagram of a FortiGate device connected to the network, the firewall policy and VIP configuration on the FortiGate device, and the routing table on the ISP router.

When the administrator tries to access the web server public address (203.0.113.2) from the internet, the connection times out. At the same time, the administrator runs a sniffer on FortiGate to capture incoming web traffic to the server and does not see any output.



Based on the information shown in the exhibit, what configuration change must the administrator make to fix the connectivity issue?

- A. Configure a loopback interface with address 203.0.113.2/32.
- B. In the VIP configuration, enable arp-reply.
- C. Enable port forwarding on the server to map the external service port to the internal service port.
- D. In the firewall policy configuration, enable match-vip.

Answer: D

NEW QUESTION 5

Which two protocol options are available on the CLI but not on the GUI when configuring an SD-WAN Performance SLA? (Choose two.)

- A. DNS
- B. ping
- C. udp-echo

D. TWAMP

Answer: CD

NEW QUESTION 6

Refer to the exhibit.

Outgoing Interfaces

☐ Manual
Manually assign outgoing interfaces.

☒ Best Quality
The interface with the best measured performance is selected.

☐ Lowest Cost (SLA)
The interface that meets SLA targets is selected. When there is a tie, the interface with the lowest assigned cost is selected.

☐ Maximize Bandwidth (SLA)
Traffic is load balanced among interfaces that meet SLA targets.

Interface preference

port1

port2

port3

port4

Measured SLA

SLA_1

Quality criteria

Latency

Status

Enable

Disable

```
NGFW-1 # diagnose sys virtual-wan-link health-check
Health Check(DC_PBX_SLA):
Seq(1 port1): state(alive), packet-loss(0.000%) latency(21.566), jitter(2.685) sla_map=0x
Seq(2 port2): state(alive), packet-loss(0.000%) latency(54.349), jitter(4.287) sla_map=0x
Seq(3 port3): state(alive), packet-loss(0.100%) latency(32.683), jitter(5.685) sla_map=0x
Seq(4 port4): state(alive), packet-loss(2.010%) latency(48.881), jitter(4.287) sla_map=0x
```

The exhibit contains the configuration for an SD-WAN Performance SLA, as well as the output of diagnose sys virtual-wan-link health-check . Which interface will be selected as an outgoing interface?

- A. port2
- B. port4
- C. port3
- D. port1

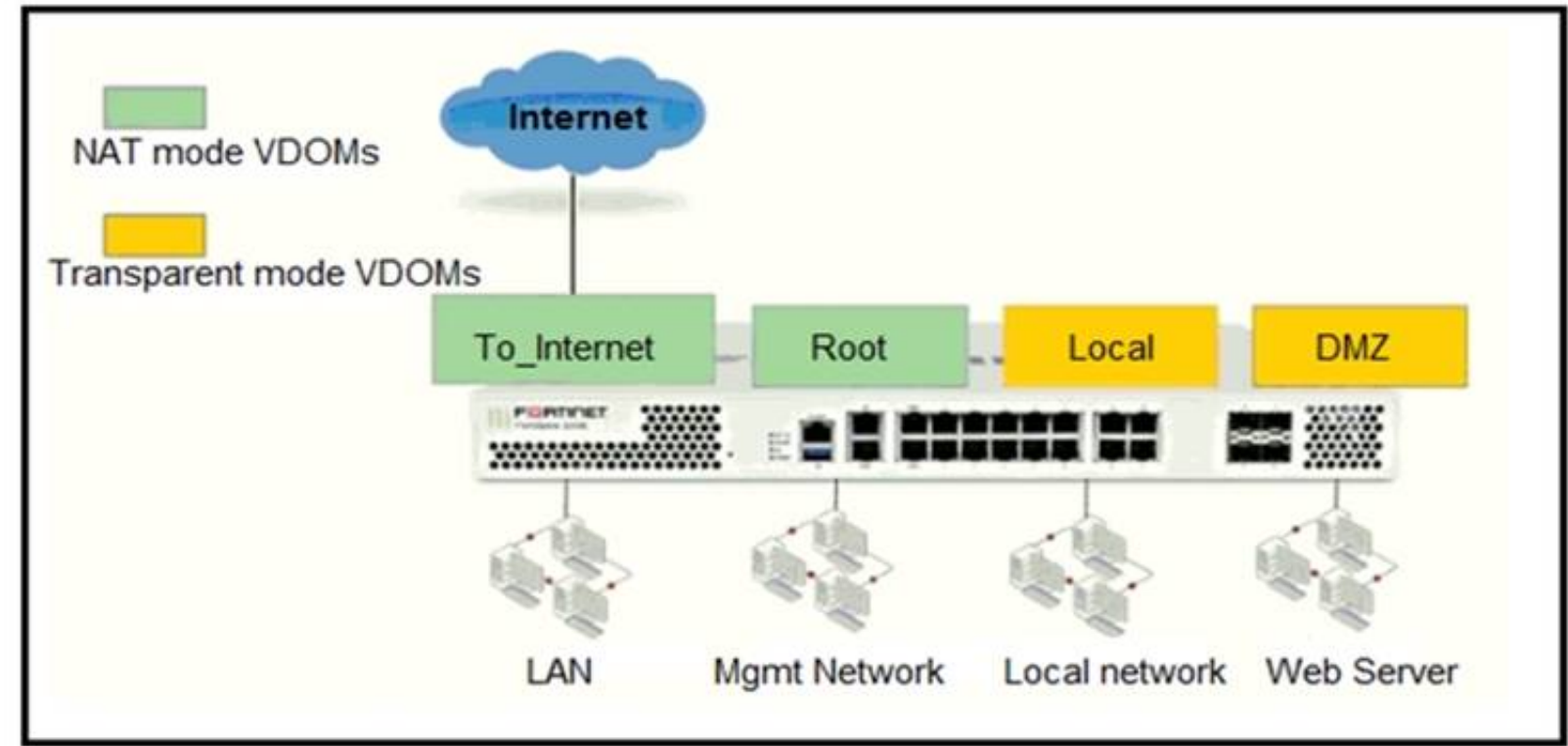
Answer: D

Explanation:

Port 1 shows the lowest latency.

NEW QUESTION 7

Refer to the exhibit.



The Root and To_Internet VDOMs are configured in NAT mode. The DMZ and Local VDOMs are configured in transparent mode. The Root VDOM is the management VDOM. The To_Internet VDOM allows LAN users to access the internet. The To_Internet VDOM is the only VDOM with

internet access and is directly connected to ISP modem .
With this configuration, which statement is true?

- A. Inter-VDOM links are required to allow traffic between the Local and Root VDOMs.
- B. A static route is required on the To_Internet VDOM to allow LAN users to access the internet.
- C. Inter-VDOM links are required to allow traffic between the Local and DMZ VDOMs.
- D. Inter-VDOM links are not required between the Root and To_Internet VDOMs because the Root VDOM is used only as a management VDOM.

Answer: A

NEW QUESTION 8

Refer to the exhibits.
The exhibits show a network diagram and firewall configurations.
An administrator created a Deny policy with default settings to deny Webserver access for Remote-User2. Remote-User1 must be able to access the Webserver.
Remote-User2 must not be able to access the Webserver.

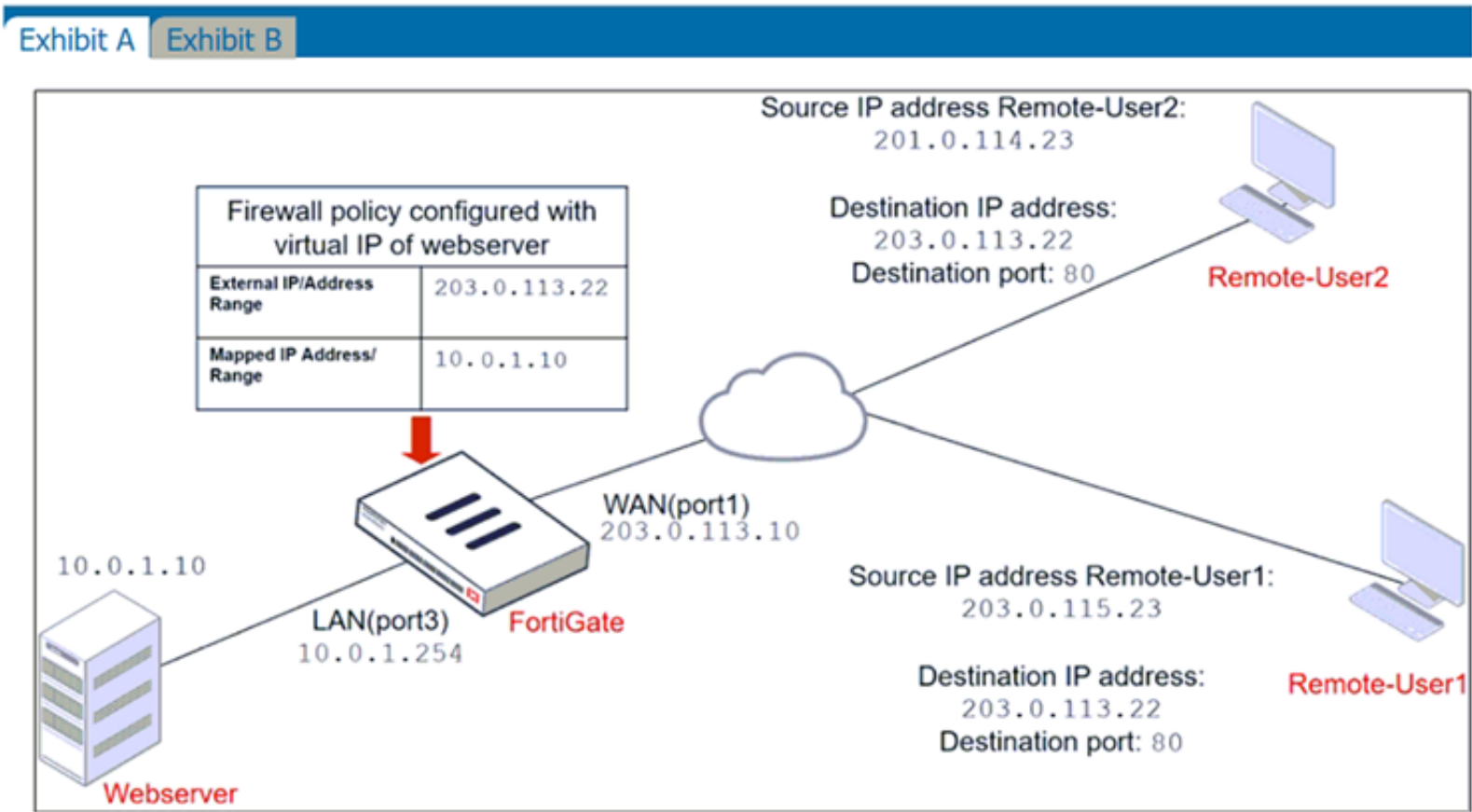


Exhibit AExhibit B

Edit Address

NameDeny_IP

ColorChange

TypeSubnet

IP/Netmask201.0.114.23/32

InterfaceWAN (port1)

Static route configuration

CommentsDeny web server access. 23/255

Firewall address object

ID	Name	Source	Destination	Schedule	Service	Action
WAN (port1) → LAN (port3) 2						
4	Deny	Deny_IP	all	always	ALL	DENY
3	Allow_access	all	Webserver	always	ALL	ACCEPT

Firewall policies

In this scenario, which two changes can the administrator make to deny Webserver access for Remote-User2? (Choose two.)

- A. Disable match-vip in the Deny policy.
- B. Set the Destination address as Deny_IP in the Allow-access policy.
- C. Enable match vip in the Deny policy.
- D. Set the Destination address as Web_server in the Deny policy.

Answer: CD

Explanation:
<https://community.fortinet.com/t5/FortiGate/Technical-Tip-Firewall-does-not-block-incoming-WAN-to-LAN/ta>

NEW QUESTION 9

Which of statement is true about SSL VPN web mode?

- A. The tunnel is up while the client is connected.
- B. It supports a limited number of protocols.
- C. The external network application sends data through the VPN.
- D. It assigns a virtual IP address to the client.

Answer: B

Explanation:

FortiGate_Security_6.4 page 575 - Web mode requires only a web browser, but supports a limited number of protocols.

NEW QUESTION 10

An administrator has a requirement to keep an application session from timing out on port 80. What two changes can the administrator make to resolve the issue without affecting any existing services running through FortiGate? (Choose two.)

- A. Create a new firewall policy with the new HTTP service and place it above the existing HTTP policy.
- B. Create a new service object for HTTP service and set the session TTL to never
- C. Set the TTL value to never under config system-ttl
- D. Set the session TTL on the HTTP policy to maximum

Answer: BC

NEW QUESTION 10

Which two statements explain antivirus scanning modes? (Choose two.)

- A. In proxy-based inspection mode, files bigger than the buffer size are scanned.
- B. In flow-based inspection mode, FortiGate buffers the file, but also simultaneously transmits it to the client.
- C. In proxy-based inspection mode, antivirus scanning buffers the whole file for scanning, before sending it to the client.
- D. In flow-based inspection mode, files bigger than the buffer size are scanned.

Answer: BC

Explanation:

An antivirus profile in full scan mode buffers up to your specified file size limit. The default is 10 MB. That is large enough for most files, except video files. If your FortiGate model has more RAM, you may be able to increase this threshold. Without a limit, very large files could exhaust the scan memory. So, this threshold balances risk and performance. Is this tradeoff unique to FortiGate, or to a specific model? No. Regardless of vendor or model, you must make a choice. This is because of the difference between scans in theory, that have no limits, and scans on real-world devices, that have finite RAM. In order to detect 100% of malware regardless of file size, a firewall would need infinitely large RAM--something that no device has in the real world. Most viruses are very small. This table shows a typical tradeoff. You can see that with the default 10 MB threshold, only 0.01% of viruses pass through.

NEW QUESTION 15

What are two benefits of flow-based inspection compared to proxy-based inspection? (Choose two.)

- A. FortiGate uses fewer resources.
- B. FortiGate performs a more exhaustive inspection on traffic.
- C. FortiGate adds less latency to traffic.
- D. FortiGate allocates two sessions per connection.

Answer: AC

NEW QUESTION 20

By default, FortiGate is configured to use HTTPS when performing live web filtering with FortiGuard servers. Which CLI command will cause FortiGate to use an unreliable protocol to communicate with FortiGuard servers for live web filtering?

- A. set fortiguard-anycast disable
- B. set webfilter-force-off disable
- C. set webfilter-cache disable
- D. set protocol tcp

Answer: A

Explanation:

y default, "fortiguard-anycast" is enabled, and this setting only works with "set protocol https". To use udp (ie. "set protocol udp"), "fortiguard-anycast" must be disabled.

NEW QUESTION 25

Examine this FortiGate configuration:

```
config authentication setting
    set active-auth-scheme SCHEME1
end
config authentication rule
    edit WebProxyRule
        set srcaddr 10.0.1.0/24
        set active-auth-method SCHEME2
    next
end
```

How does the FortiGate handle web proxy traffic coming from the IP address 10.2.1.200 that requires authorization?

- A. It always authorizes the traffic without requiring authentication.
- B. It drops the traffic.
- C. It authenticates the traffic using the authentication scheme SCHEME2.
- D. It authenticates the traffic using the authentication scheme SCHEME1.

Answer: D

Explanation:

"What happens to traffic that requires authorization, but does not match any authentication rule? The active and passive SSO schemes to use for those cases is defined under config authentication setting"

NEW QUESTION 30

Which statement about video filtering on FortiGate is true?

- A. Video filtering FortiGuard categories are based on web filter FortiGuard categories.
- B. It does not require a separate FortiGuard license.
- C. Full SSL inspection is not required.
- D. Otis available only on a proxy-based firewall policy.

Answer: B

NEW QUESTION 32

Which engine handles application control traffic on the next-generation firewall (NGFW) FortiGate?

- A. Antivirus engine
- B. Intrusion prevention system engine
- C. Flow engine
- D. Detection engine

Answer: B

Explanation:

<http://docs.fortinet.com/document/fortigate/6.0.0/handbook/240599/application-control>

NEW QUESTION 37

An administrator needs to configure VPN user access for multiple sites using the same soft FortiToken. Each site has a FortiGate VPN gateway. What must an administrator do to achieve this objective?

- A. The administrator can register the same FortiToken on more than one FortiGate.
- B. The administrator must use a FortiAuthenticator device
- C. The administrator can use a third-party radius OTP server.
- D. The administrator must use the user self-registration server.

Answer: B

NEW QUESTION 40

Refer to the exhibit.

Username	<input type="text" value="Administrator"/>	<input type="button" value="Change Password"/>
Type	<div><div>Local User</div><div>Match a user on a remote server group</div><div>Match all users in a remote server group</div><div>Use public key infrastructure (PKI) group</div></div>	
Comments	<input type="text" value="Write a comment..."/> 0/255	
Administrator Profile	<input type="text" value="prof_admin"/>	
Email Address	<input type="text" value="admin@xyz.com"/>	
<input type="checkbox"/> SMS		
<input type="checkbox"/> Two-factor Authentication		
<input type="checkbox"/> Restrict login to trusted hosts		
<input type="checkbox"/> Restrict admin to guest account provisioning only		

The global settings on a FortiGate device must be changed to align with company security policies. What does the Administrator account need to access the FortiGate global settings?

- A. Change password
- B. Enable restrict access to trusted hosts
- C. Change Administrator profile
- D. Enable two-factor authentication

Answer: C

NEW QUESTION 41

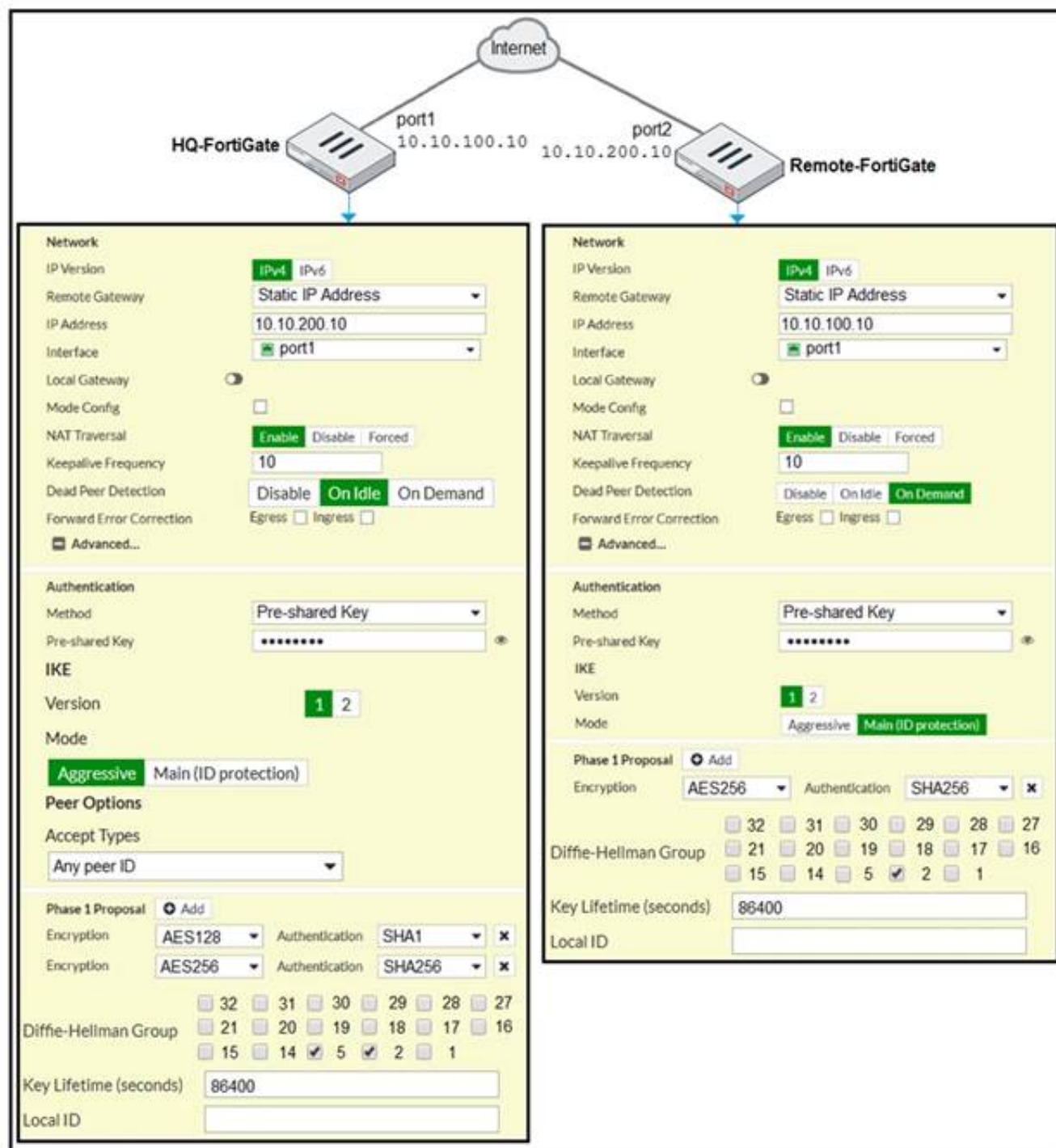
Which timeout setting can be responsible for deleting SSL VPN associated sessions?

- A. SSL VPN idle-timeout
- B. SSL VPN http-request-body-timeout
- C. SSL VPN login-timeout
- D. SSL VPN dtls-hello-timeout

Answer: A

NEW QUESTION 42

A network administrator is troubleshooting an IPsec tunnel between two FortiGate devices. The administrator has determined that phase 1 fails to come up. The administrator has also re-entered the pre-shared key on both FortiGate devices to make sure they match.



Based on the phase 1 configuration and the diagram shown in the exhibit, which two configuration changes will bring phase 1 up? (Choose two.)

- A. On HQ-FortiGate, set IKE mode to Main (ID protection).
- B. On both FortiGate devices, set Dead Peer Detection to On Demand.
- C. On HQ-FortiGate, disable Diffie-Hellman group 2.
- D. On Remote-FortiGate, set port2 as Interface.

Answer: AD

NEW QUESTION 43

If the Issuer and Subject values are the same in a digital certificate, which type of entity was the certificate issued to?

- A. A CRL
- B. A person
- C. A subordinate CA
- D. A root CA

Answer: D

NEW QUESTION 46

A network administrator wants to set up redundant IPsec VPN tunnels on FortiGate by using two IPsec VPN tunnels and static routes.

- * All traffic must be routed through the primary tunnel when both tunnels are up
- * The secondary tunnel must be used only if the primary tunnel goes down
- * In addition, FortiGate should be able to detect a dead tunnel to speed up tunnel failover

Which two key configuration changes are needed on FortiGate to meet the design requirements? (Choose two.)

- A. Configure a high distance on the static route for the primary tunnel, and a lower distance on the static route for the secondary tunnel.
- B. Enable Dead Peer Detection.
- C. Configure a lower distance on the static route for the primary tunnel, and a higher distance on the static route for the secondary tunnel.
- D. Enable Auto-negotiate and Autokey Keep Alive on the phase 2 configuration of both tunnels.

Answer: BC

Explanation:

Study Guide – IPsec VPN – IPsec configuration – Phase 1 Network.

When Dead Peer Detection (DPD) is enabled, DPD probes are sent to detect a failed tunnel and bring it down before its IPsec SAs expire. This failure detection mechanism is very useful when you have redundant paths to the same destination, and you want to failover to a backup connection when the primary connection fails to keep the connectivity between the sites up.

There are three DPD modes. On demand is the default mode. Study Guide – IPsec VPN – Redundant VPNs.

Add one phase 1 configuration for each tunnel. DPD should be enabled on both ends.

Add at least one phase 2 definition for each phase 1.

Add one static route for each path. Use distance or priority to select primary routes over backup routes (routes for the primary VPN must have a lower distance or lower priority than the backup). Alternatively, use dynamic routing.

Configure FW policies for each IPsec interface.

NEW QUESTION 47

Refer to the exhibit.

```
# diagnose test application ipsmonitor
1: Display IPS engine information
2: Toggle IPS engine enable/disable status
3: Display restart log
4: Clear restart log
5: Toggle bypass status
98: Stop all IPS engines
99: Restart all IPS engines and monitor
```

Examine the intrusion prevention system (IPS) diagnostic command.

Which statement is correct If option 5 was used with the IPS diagnostic command and the outcome was a decrease in the CPU usage?

- A. The IPS engine was inspecting high volume of traffic.
- B. The IPS engine was unable to prevent an intrusion attack .
- C. The IPS engine was blocking all traffic.
- D. The IPS engine will continue to run in a normal state.

Answer: A

NEW QUESTION 51

Refer to the exhibit.

	Name	Type	IP/Netmask	VLAN ID
Physical Interface 14				
	port1	Physical Interface	10.200.1.1/255.255.255.0	
	port1-vlan10	VLAN	10.1.10.1/255.255.255.0	10
	port1-vlan1	VLAN	10.200.5.1/255.255.255.0	1
	port10	Physical Interface	10.0.11.1/255.255.255.0	
	port2	Physical Interface	10.200.2.1/255.255.255.0	
	port2-vlan10	VLAN	10.0.10.1/255.255.255.0	10
	port2-vlan1	VLAN	10.0.5.1/255.255.255.0	1

Given the interfaces shown in the exhibit. which two statements are true? (Choose two.)

- A. Traffic between port2 and port2-vlan1 is allowed by default.
- B. port1-vlan10 and port2-vlan10 are part of the same broadcast domain.
- C. port1 is a native VLAN.
- D. port1-vlan and port2-vlan1 can be assigned in the same VDOM or to different VDOMs.

Answer: CD

Explanation:

<https://community.fortinet.com/t5/FortiGate/Technical-Tip-rules-about-VLAN-configuration-and-VDOM-interf>
<https://kb.fortinet.com/kb/viewContent.do?externalId=FD30883>

NEW QUESTION 52

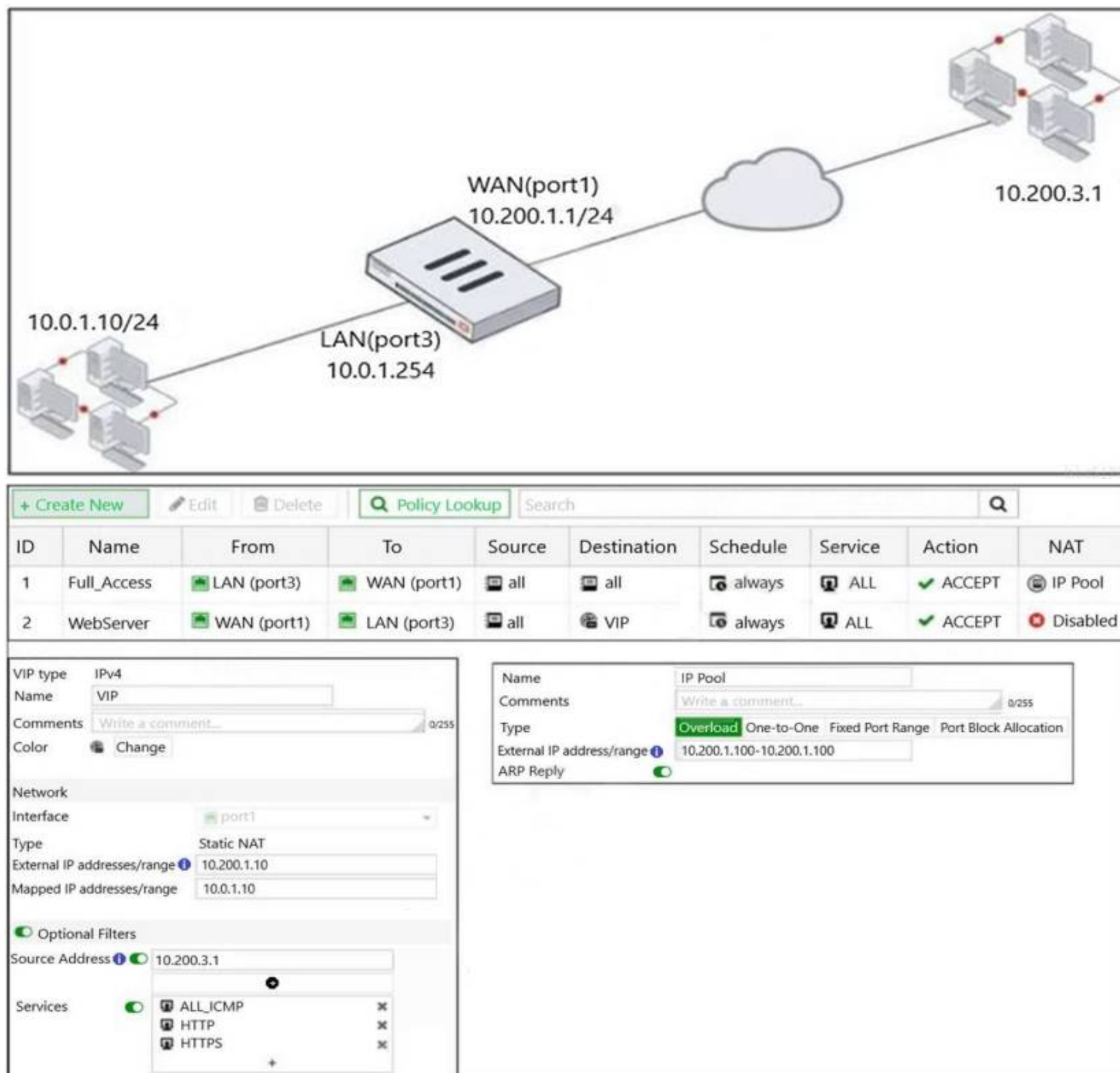
In an explicit proxy setup, where is the authentication method and database configured?

- A. Proxy Policy
- B. Authentication Rule
- C. Firewall Policy
- D. Authentication scheme

Answer: D

NEW QUESTION 57

Refer to the exhibit.



The exhibit contains a network diagram, virtual IP, IP pool, and firewall policies configuration.

The WAN (port1) interface has the IP address 10.200.1.1/24.

The LAN (port3) interface has the IP address 10.0.1.254/24.

The first firewall policy has NAT enabled using IP Pool.

The second firewall policy is configured with a VIP as the destination address.

Which IP address will be used to source NAT the internet traffic coming from a workstation with the IP address 10.0.1.10?

Network Diagram: A central FortiGate router has a WAN interface (port1) connected to a cloud (Internet) and a LAN interface (port3) connected to a local network. The WAN interface has IP 10.200.1.1/24. The LAN interface has IP 10.0.1.254/24. A workstation with IP 10.0.1.10/24 is connected to the LAN. A server with IP 10.200.3.1 is connected to the Internet.

Firewall Policies:

ID	Name	From	To	Source	Destination	Schedule	Service	Action	NAT
1	Full_Access	LAN (port3)	WAN (port1)	all	all	always	ALL	ACCEPT	IP Pool
2	WebServer	WAN (port1)	LAN (port3)	all	VIP	always	ALL	ACCEPT	Disabled

VIP Configuration:

- VIP type: IPv4
- Name: VIP
- Comments: Write a comment...
- Color: Change
- Network:
 - Interface: port1
 - Type: Static NAT
 - External IP addresses/range: 10.200.1.10
 - Mapped IP addresses/range: 10.0.1.10
- Optional Filters:
 - Source Address: 10.200.3.1
 - Services: ALL_ICMP, HTTP, HTTPS

IP Pool Configuration:

- Name: IP Pool
- Comments: Write a comment...
- Type: Overload
- External IP address/range: 10.200.1.100-10.200.1.100
- ARP Reply: On

The exhibit contains a network diagram, virtual IP, IP pool, and firewall policies configuration.

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The first firewall policy has NAT enabled using IP Pool.

The second firewall policy is configured with a VIP as the destination address.

Which IP address will be used to source NAT the internet traffic coming from a workstation with the IP address 10.0. 1. 10?

- A. 10.200. 1. 1
- B. 10.200.3. 1
- C. 10.200. 1. 100
- D. 10.200. 1. 10

Answer: C

Explanation:

Policy 1 is applied on outbound (LAN-WAN) and policy 2 is applied on inbound (WAN-LAN). question is asking SNAT for outbound traffic so policy 1 will take place and NAT overload is in effect.

NEW QUESTION 59

Consider the topology:

Application on a Windows machine <--(SSL VPN)-->FGT--> Telnet to Linux server.

An administrator is investigating a problem where an application establishes a Telnet session to a Linux server over the SSL VPN through FortiGate and the idle session times out after about 90 minutes. The administrator would like to increase or disable this timeout.

The administrator has already verified that the issue is not caused by the application or Linux server. This issue does not happen when the application establishes a Telnet connection to the Linux server directly on the LAN.

What two changes can the administrator make to resolve the issue without affecting services running through FortiGate? (Choose two.)

- A. Set the maximum session TTL value for the TELNET service object.
- B. Set the session TTL on the SSLVPN policy to maximum, so the idle session timeout will not happen after 90 minutes.
- C. Create a new service object for TELNET and set the maximum session TTL.
- D. Create a new firewall policy and place it above the existing SSLVPN policy for the SSL VPN traffic, and set the new TELNET service object in the policy.

Answer: CD

NEW QUESTION 63

An administrator has configured outgoing Interface any in a firewall policy. Which statement is true about the policy list view?

- A. Policy lookup will be disabled.
- B. By Sequence view will be disabled.
- C. Search option will be disabled
- D. Interface Pair view will be disabled.

Answer: D

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD47821>

NEW QUESTION 68

Refer to the exhibit.

A network administrator is troubleshooting an IPsec tunnel between two FortiGate devices. The administrator has determined that phase 1 status is up, but phase 2 fails to come up.



Based on the phase 2 configuration shown in the exhibit, which configuration change will bring phase 2 up?

- A. On Remote-FortiGate, set Seconds to 43200.
- B. On HQ-FortiGate, set Encryption to AES256.
- C. On HQ-FortiGate, enable Diffie-Hellman Group 2.
- D. On HQ-FortiGate, enable Auto-negotiate.

Answer: B

NEW QUESTION 69

Which of the following are valid actions for FortiGuard category based filter in a web filter profile ui proxy-based inspection mode? (Choose two.)

- A. Warning
- B. Exempt
- C. Allow
- D. Learn

Answer: AC

NEW QUESTION 74

Which two protocols are used to enable administrator access of a FortiGate device? (Choose two.)

- A. SSH
- B. HTTPS
- C. FTM
- D. FortiTelemetry

Answer: AB

NEW QUESTION 77

Which scanning technique on FortiGate can be enabled only on the CLI?

- A. Heuristics scan

- B. Trojan scan
- C. Antivirus scan
- D. Ransomware scan

Answer: A

NEW QUESTION 81

If the Services field is configured in a Virtual IP (VIP), which statement is true when central NAT is used?

- A. The Services field prevents SNAT and DNAT from being combined in the same policy.
- B. The Services field is used when you need to bundle several VIPs into VIP groups.
- C. The Services field removes the requirement to create multiple VIPs for different services.
- D. The Services field prevents multiple sources of traffic from using multiple services to connect to a single computer.

Answer: C

NEW QUESTION 85

Refer to the exhibit.

```
FGT1 # get router info routing-table database
Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP
       O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       > - selected route, * - FIB route, p - stale info

S      *> 0.0.0.0/0 [10/0] via 172.20.121.2, port1, [20/0]
S      *>          [10/0] via 10.0.0.2, port2, [30/0]
S      0.0.0.0/0 [20/0] via 192.168.15.2, port3, [10/0]
C      *> 10.0.0.0/24 is directly connected, port2
S      172.13.24.0/24 [10/0] is directly connected, port4
C      *> 172.20.121.0/24 is directly connected, port1
S      *> 192.167.1.0/24 [10/0] via 10.0.0.2, port2
C      *> 192.168.15.0/24 is directly connected, port3
```

Given the routing database shown in the exhibit, which two statements are correct? (Choose two.)

- A. The port3 default route has the highest distance.
- B. The port3 default route has the lowest metric.
- C. There will be eight routes active in the routing table.
- D. The port1 and port2 default routes are active in the routing table.

Answer: AD

NEW QUESTION 88

Which three methods are used by the collector agent for AD polling? (Choose three.)

- A. FortiGate polling
- B. NetAPI
- C. Novell API
- D. WMI
- E. WinSecLog

Answer: BDE

NEW QUESTION 91

Refer to the exhibit.

Edit IPS Sensor

Name

WINDOWS_SERVERS

Comments

Write a comment...

0/255

Block malicious URLs

☐

IPS Signatures and Filters

+ Create New

Edit

Delete

Details	Exempt IPs	Action	Packet Logging	Status
NTP.Spoofed.KoD.DoS	0	Monitor	<input checked="" type="checkbox"/> Enabled	<input checked="" type="checkbox"/> Enabled
<div>OS</div> Windows		<input checked="" type="checkbox"/> Block	<input checked="" type="checkbox"/> Disabled	<input checked="" type="checkbox"/> Enabled

The exhibit shows the IPS sensor configuration.

If traffic matches this IPS sensor, which two actions is the sensor expected to take? (Choose two.)

- A. The sensor will allow attackers matching the Microsoft Windows.iSCSI.Target.DoS signature.
- B. The sensor will block all attacks aimed at Windows servers.
- C. The sensor will reset all connections that match these signatures.
- D. The sensor will gather a packet log for all matched traffic.

Answer: AB

NEW QUESTION 96

Which two configuration settings are synchronized when FortiGate devices are in an active-active HA cluster? (Choose two.)

- A. FortiGuard web filter cache
- B. FortiGate hostname
- C. NTP
- D. DNS

Answer: CD

NEW QUESTION 100

Refer to exhibit.

An administrator configured the web filtering profile shown in the exhibit to block access to all social networking sites except Twitter. However, when users try to access twitter.com, they are redirected to a FortiGuard web filtering block page.

Name

Allow_Twitter

Comments

Write a comment...

0/255

Feature set

Flow-based

Proxy-based

☒ FortiGuard Category Based Filter

☒ Allow

☒ Monitor

☒ Block

☒ Warning

☒ Authenticate

Name	Action
Medicine	<input checked="" type="checkbox"/> Allow
News and Media	<input checked="" type="checkbox"/> Allow
Social Networking	<input checked="" type="checkbox"/> Block
Political Organizations	<input checked="" type="checkbox"/> Allow
Reference	<input checked="" type="checkbox"/> Allow
Global Religion	<input checked="" type="checkbox"/> Allow
Shopping	<input checked="" type="checkbox"/> Allow
Society and Lifestyles	<input checked="" type="checkbox"/> Allow
Sports	<input checked="" type="checkbox"/> Allow

Static URL Filter

Block invalid URLs

☐

URL Filter

☒

+ Create New

Edit

Delete

Search

URL	Type	Action	Status
twitter.com	Wildcard	<input checked="" type="checkbox"/> Allow	<input checked="" type="checkbox"/> Enable

Block malicious URLs discovered by FortiSandbox

☐

Content Filter

☐

Based on the exhibit, which configuration change can the administrator make to allow Twitter while blocking all other social networking sites?

- A. On the FortiGuard Category Based Filter configuration, set Action to Warning for Social Networking
- B. On the Static URL Filter configuration, set Type to Simple
- C. On the Static URL Filter configuration, set Action to Exempt.
- D. On the Static URL Filter configuration, set Action to Monitor.

Answer: C

NEW QUESTION 102

Refer to the exhibit.

```
vcluster_nr=1
vcluster_0: start_time=1593701974(2020-07-02 10:59:34), state/o/chg_time=2(work)/2
(work)/1593701169(2020-07-02 10:46:09)
  pingsvr_flip_timeout/expire=3600s/2781s
  'FGVM010000064692': ha_prio/o=1/1, link_failure=0, pingsvr_failure=0, flag=
0x00000000, uptime/reset_cnt=198/0
  'FGVM010000065036': ha_prio/o=0/0, link_failure=0, pingsvr_failure=0, flag=
0x00000001, uptime/reset_cnt=0/1
```

The exhibit displays the output of the CLI command: diagnose sys ha dump-by vcluster. Which two statements are true? (Choose two.)

- A. FortiGate SN FGVM010000065036 HA uptime has been reset.
- B. FortiGate devices are not in sync because one device is down.
- C. FortiGate SN FGVM010000064692 is the primary because of higher HA uptime.
- D. FortiGate SN FGVM010000064692 has the higher HA priority.

Answer: AD

Explanation:

* 1. Override is disable by default - OK

* 2. "If the HA uptime of a device is AT LEAST FIVE MINUTES (300 seconds) MORE than the HA Uptime of the other FortiGate devices, it becomes the primary" The QUESTION NO: here is : HA Uptime of FGVM01000006492 > 5 minutes? NO - 198 seconds < 300 seconds (5 minutes) Page 314 Infra Study Guide.
<https://docs.fortinet.com/document/fortigate/6.0.0/handbook/666653/primary-unit-selection-with-override-disab>

NEW QUESTION 105

Which two statements are true about the RPF check? (Choose two.)

- A. The RPF check is run on the first sent packet of any new session.
- B. The RPF check is run on the first reply packet of any new session.
- C. The RPF check is run on the first sent and reply packet of any new session.
- D. RPF is a mechanism that protects FortiGate and your network from IP spoofing attacks.

Answer: AD

NEW QUESTION 110

An administrator has configured a strict RPF check on FortiGate. Which statement is true about the strict RPF check?

- A. The strict RPF check is run on the first sent and reply packet of any new session.
- B. Strict RPF checks the best route back to the source using the incoming interface.
- C. Strict RPF checks only for the existence of at least one active route back to the source using the incoming interface.
- D. Strict RPF allows packets back to sources with all active routes.

Answer: B

Explanation:

Strict Reverse Path Forwarding (RPF) is a security feature that is used to detect and prevent IP spoofing attacks on a network. It works by checking the routing information for incoming packets to ensure that they are coming from the source address that is indicated in the packet's header. In strict RPF mode, the firewall will check the best route back to the source of the incoming packet using the incoming interface. If the packet's source address does not match the route back to the source, the packet is dropped. This helps to prevent attackers from spoofing their IP address and attempting to access the network.

NEW QUESTION 112

Refer to the exhibits.

Exhibit A Exhibit B

```
# get system performance status
CPU states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
CPU0 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2061108k total, 1854997k used (90%), 106111k free (5.1%), 100000k freeable (4.8%)
Average network usage: 83 / 0 kbps in 1 minute, 81 / 0 kbps in 10 minutes, 81 / 0 kbps in 30
minutes
Average sessions: 5 sessions in 1 minute, 3 sessions in 10 minutes, 3 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last
10 minutes, 0 sessions per second in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 3 hours, 28 minutes
```

Exhibit A Exhibit B

```
config system global
    set memory-use-threshold-red 88
    set memory-use-threshold-extreme 95
    set memory-use-threshold-green 82
end
```

Exhibit A shows system performance output. Exhibit B shows a FortiGate configured with the default configuration of high memory usage thresholds. Based on the system performance output, which two statements are correct? (Choose two.)

- A. Administrators can access FortiGate only through the console port.
- B. FortiGate has entered conserve mode.
- C. FortiGate will start sending all files to FortiSandbox for inspection.
- D. Administrators cannot change the configuration.

Answer: BD

NEW QUESTION 115

A FortiGate is operating in NAT mode and configured with two virtual LAN (VLAN) sub interfaces added to the physical interface. Which statements about the VLAN sub interfaces can have the same VLAN ID, only if they have IP addresses in different subnets.

- A. The two VLAN sub interfaces can have the same VLAN ID, only if they have IP addresses in different subnets.
- B. The two VLAN sub interfaces must have different VLAN IDs.
- C. The two VLAN sub interfaces can have the same VLAN ID, only if they belong to different VDOMs.
- D. The two VLAN sub interfaces can have the same VLAN ID, only if they have IP addresses in the same subnet.

Answer: B

Explanation:

FortiGate_Infrastructure_6.0_Study_Guide_v2-Online.pdf > page 147

"Multiple VLANs can coexist in the same physical interface, provide they have different VLAN ID"

NEW QUESTION 118

When a firewall policy is created, which attribute is added to the policy to support recording logs to a FortiAnalyzer or a FortiManager and improves functionality when a FortiGate is integrated with these devices?

- A. Log ID
- B. Universally Unique Identifier
- C. Policy ID
- D. Sequence ID

Answer: B

NEW QUESTION 121

Refer to the exhibits.

SSL-VPN Settings

Connection Settings ⓘ

Listen on Interface(s) port1 + ×

Listen on Port 10443

ⓘ Web mode access will be listening at <https://10.200.1.1:10443>

Redirect HTTP to SSL-VPN ☐

Restrict Access Allow access from any host Limit access to specific hosts

Idle Logout ☒

Inactive For 300 Seconds

Server Certificate Fortinet_Factory

Require Client Certificate ☐

Tunnel Mode Client Settings ⓘ

Address Range Automatically assign addresses Specify custom IP ranges

ⓘ Tunnel users will receive IPs in the range of 10.212.134.200 - 10.212.134.210

DNS Server Same as client system DNS Specify

Specify WINS Servers ☐

Authentication/Portal Mapping ⓘ

+ Create New Edit Delete

Users/Groups	Portal
sslvpn	tunnel-access
All Other Users/Groups	full-access

Connection status

Connection: VPN

Server: <https://10.200.1.1:1443/>

Status: Connecting...

Duration: —

Bytes received: 0

Bytes sent: 0

Stop

The SSL VPN connection fails when a user attempts to connect to it. What should the user do to successfully connect to SSL VPN?

- A. Change the SSL VPN port on the client.
- B. Change the Server IP address.
- C. Change the idle-timeout.
- D. Change the SSL VPN portal to the tunnel.

Answer: A

NEW QUESTION 123

Which three security features require the intrusion prevention system (IPS) engine to function? (Choose three.)

- A. Web filter in flow-based inspection
- B. Antivirus in flow-based inspection

- C. DNS filter
- D. Web application firewall
- E. Application control

Answer: ABE

Explanation:

<https://docs.fortinet.com/document/fortigate/7.0.0/new-features/739623/dns-filter-handled-by-ips-engine-in-flow>

NEW QUESTION 128

Refer to the web filter raw logs.

```
date=2020-07-09 time=12:51:51 logid="0316013057" type="utm"
subtype="webfilter" eventtype="ftgd_blk" level="warning"
vd="root" eventtime=1594313511250173744 tz="-0400" policyid=1
sessionid=5526 srcip=10.0.1.10 srcport=48660 srcintf="port2"
srcintfrole="undefined" dstip=104.244.42.193 dstport=443
dstintf="port1" dstintfrole="undefined" proto=6 service="HTTPS"
hostname="twitter.com" profile="all_users_web" action="blocked"
reqtype="direct" url="https://twitter.com/" sentbyte=517
rcvdbyte=0 direction="outgoing" msg="URL belongs to a category
with warnings enabled" method="domain" cat=37 catdesc="Social
Networking"

date=2020-07-09 time=12:52:16 logid="0316013057" type="utm"
subtype="webfilter" eventtype="ftgd_blk" level="warning"
vd="root" eventtime=1594313537024536428 tz="-0400" policyid=1
sessionid=5552 srcip=10.0.1.10 srcport=48698 srcintf="port2"
srcintfrole="undefined" dstip=104.244.42.193 dstport=443
dstintf="port1" dstintfrole="undefined" proto=6 service="HTTPS"
hostname="twitter.com" profile="all_users_web"
action="passthrough" reqtype="direct" url="https://twitter.com/"
sentbyte=369 rcvdbyte=0 direction="outgoing" msg="URL belongs to
a category with warnings enabled" method="domain" cat=37
catdesc="Social Networking"
```

Based on the raw logs shown in the exhibit, which statement is correct?

- A. Social networking web filter category is configured with the action set to authenticate.
- B. The action on firewall policy ID 1 is set to warning.
- C. Access to the social networking web filter category was explicitly blocked to all users.
- D. The name of the firewall policy is all_users_web.

Answer: A

NEW QUESTION 133

Refer to the FortiGuard connection debug output.

```
FortiGate # diagnose debug rating
Locale      : english

Service     : Web-Filter
Status      : Enable
License     : Contract

Num. of servers : 3
Protocol     : https
Port        : 443
Anycast     : Disable
Default servers : Included
== Server List (Mon Jul 5 12:00:25 2021) ==

IP           Weight  RTT  Flags  TZ  FortiGuard-requests  Curr  Lost  Total  Lost  Updated Time
173.243.138.210  10    350  DI    -8    29      0     0     0     0    Mon Jul 5 09:23:33 2021
12.34.97.18     20     30   -5    -5    25      0     0     0     0    Mon Jul 5 09:23:33 2021
210.7.96.18     160   605   9     9    25      0     0     0     0    Mon Jul 5 09:23:33 2021
```

Based on the output shown in the exhibit, which two statements are correct? (Choose two.)

- A. A local FortiManager is one of the servers FortiGate communicates with.
- B. One server was contacted to retrieve the contract information.
- C. There is at least one server that lost packets consecutively.
- D. FortiGate is using default FortiGuard communication settings.

Answer: BD

NEW QUESTION 135

Which statement is correct regarding the inspection of some of the services available by web applications embedded in third-party websites? A. The security actions applied on the web applications will also be explicitly applied on the third-party websites.

- A. The application signature database inspects traffic only from the original web application server.
- B. FortiGuard maintains only one signature of each web application that is unique.
- C. FortiGate can inspect sub-application traffic regardless where it was originate

Answer: D

NEW QUESTION 136

Which three authentication timeout types are availability for selection on FortiGate? (Choose three.)

- A. hard-timeout
- B. auth-on-demand
- C. soft-timeout
- D. new-session
- E. Idle-timeout

Answer: ADE

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD37221>

NEW QUESTION 137

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