

Fortinet

Exam Questions FCP_FGT_AD-7.6

FCP - FortiGate 7.6 Administrator



NEW QUESTION 1

You have configured the below commands on a FortiGate.

```
config system settings
set strict-src-check enable
end
```

```
Config system interface
edit port1
set src-check disable
next
end
```

What would be the impact of this configuration on FortiGate?

- A. FortiGate will enable strict RPF on all its interfaces and port1 will be enabled for asymmetric routing.
- B. FortiGate will enable strict RPF on all its interfaces and port1 will be exempted from RPF checks.
- C. Port1 will be enabled with flexible RPF, and all other interfaces will be enabled for strict RPF.
- D. The global configuration will take precedence and FortiGate will enable strict RPF on all interfaces.

Answer: B

Explanation:

The global setting enables strict source checking (RPF) on all interfaces by default. The per-interface setting disables the source check on port1, exempting it from strict RPF enforcement.

NEW QUESTION 2

Refer to the exhibit.

```
config system global
    set av-failopen one-shot
end
config ips global
    set fail-open enable
end
```

Based on this partial configuration, what are the two possible outcomes when FortiGate enters conserve mode? (Choose two.)

- A. Administrators cannot change the configuration.
- B. FortiGate skips quarantine actions.
- C. Administrators must restart FortiGate to allow new session.
- D. FortiGate drops new sessions requiring inspection.

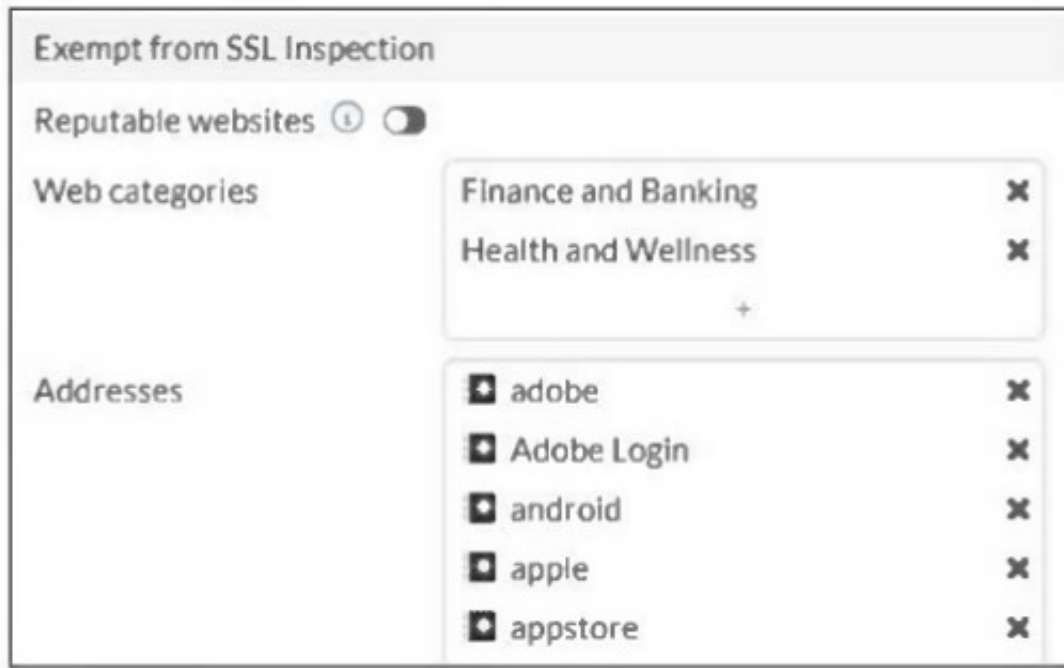
Answer: BD

Explanation:

In fail-open mode, FortiGate skips quarantine actions to maintain traffic flow despite IPS or antivirus failures. FortiGate drops new sessions that require inspection when in conserve mode and fail-open is enabled, to protect the network from potentially harmful traffic.

NEW QUESTION 3

Refer to the exhibit.



The predefined deep-inspection and custom-deep-inspection profiles exclude some web categories from SSL inspection, as shown in the exhibit. For which two reasons are these web categories exempted? (Choose two.)

- A. The FortiGate temporary certificate denies the browser's access to websites that use HTTP Strict Transport Security.
- B. These websites are in an allowlist of reputable domain names maintained by FortiGuard.
- C. The resources utilization is optimized because these websites are in the trusted domain list on FortiGate.
- D. The legal regulation aims to prioritize user privacy and protect sensitive information for these websites.

Answer: AD

Explanation:

FortiGate's temporary SSL certificate may cause access denial to sites using HTTP Strict Transport Security (HSTS), so such sites are exempted from deep SSL inspection.
 Legal regulations require exemption of certain categories to protect user privacy and sensitive information, so these web categories are excluded from SSL inspection.

NEW QUESTION 4

An administrator wants to analyze and manage digital certificates to prevent browser warnings when users connect to the SSL VPN portal. Which two statements describe how to correctly do this? (Choose two.)

- A. The administrator can rely on the default FortiGate self-signed certificate to prevent all security warnings in the browser.
- B. The administrator must disable HTTPS administrative access entirely to avoid certificate warnings.
- C. The administrator can use a publicly trusted certificate from a known certificate authority (CA) to stop browser warnings.
- D. The administrator can import the FortiGate self-signed certificate into each user's browser as a trusted certificate.

Answer: CD

Explanation:

Using a publicly trusted certificate from a known CA prevents browser warnings without additional user action.
 Importing the FortiGate self-signed certificate into users' browsers as trusted eliminates warnings caused by untrusted certificates.

NEW QUESTION 5

Refer to the exhibits.

HA configuration

```
HQ-NGFW-1 # config system ha

HQ-NGFW-1 (ha) # show
config system ha
    set group-id 5
    set group-name "Training"
    set mode a-p
    set password ENC a4fbyqY4iPexFmAnZgzDY
    set hbdev "port7" 0
    set session-pickup enable
    set override disable
    set priority 200
    set monitor "port1"
    set memory-based-failover enable
    set memory-failover-threshold 70
    set memory-failover-monitor-period 50
    set memory-failover-sample-rate 10
    set memory-failover-flip-timeout 60
end
```

HQ-NGFW-1 System Performance output

```
HQ-NGFW-1 # 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 1837868k used (90%), 104146k free (5.1%), 100062k freeable (4.9%)
Average network usage: 19/2 kbps in 1 minute, 19/4 kbps in 10 minutes, 19/3 kbps in 30 minutes
Maximal network usage: 36/18 kbps in 1 minute, 58/86 kbps in 10 minutes, 58/87 kbps in 30 minutes
Average sessions: 21 sessions in 1 minute, 22 sessions in 10 minutes, 21 sessions in 30 minutes
Maximal sessions: 22 sessions in 1 minute, 28 sessions in 10 minutes, 28 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last 10 minutes
Maximal session setup rate: 0 sessions per second in last 1 minute, 1 sessions per second in last 10 minutes
Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 22 hours, 50 minutes
```

HQ-NGFW-2 System Performance output

```
HQ-NGFW-2 # 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 993836k used (48.7%), 690352k free (33.8%), 357888k freeable (17.5%)
Average network usage: 26/18 kbps in 1 minute, 25/18 kbps in 10 minutes, 24/18 kbps in 30 minutes
Maximal network usage: 91/27 kbps in 1 minute, 92/27 kbps in 10 minutes, 92/32 kbps in 30 minutes
Average sessions: 9 sessions in 1 minute, 9 sessions in 10 minutes, 9 sessions in 30 minutes
Maximal sessions: 11 sessions in 1 minute, 11 sessions in 10 minutes, 13 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last 10 minutes
Maximal session setup rate: 0 sessions per second in last 1 minute, 1 sessions per second in last 10 minutes
Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 10 hours, 50 minutes
```

An administrator has observed the performance status outputs on an HA cluster for 55 seconds. Which FortiGate is the primary?

- A. HQ-NGFW-2 with the parameter memory-failover-threshold setting
- B. HQ-NGFW-2 with the parameter priority setting
- C. HQ-NGFW-1 with the parameter memory-failover-flip-timeout setting
- D. HQ-NGFW-1 with the parameter override setting

Answer: D

Explanation:

The HA configuration shows that override is disabled (set override disable), but despite this, HQ-NGFW-1 has the higher priority (200) and is acting as the primary, as indicated by its higher resource usage and uptime.

Override allows the device with higher priority to take over as primary, so HQ-NGFW-1 is the primary device.

NEW QUESTION 6

Which three statements about SD-WAN performance SLAs are true? (Choose three.)

- A. They rely on session loss and jitter.
- B. They can be measured actively or passively.
- C. They are applied in a SD-WAN rule lowest cost strategy.
- D. They monitor the state of the FortiGate device.
- E. All the SLA targets can be configured.

Answer: ABE

Explanation:

SD-WAN SLAs monitor metrics like packet loss and jitter to evaluate link performance. SLA measurements can be performed using active probing or passive monitoring. Administrators can configure all SLA target parameters to define performance criteria.

NEW QUESTION 7

Refer to the exhibits.

System Performance output

```
# 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 1837868k used (90%), 104146k free (5.1%), 100062k freeable (4.9%)
Average network usage: 19/2 kbps in 1 minute, 19/4 kbps in 10 minutes, 19/3 kbps in 30 minutes
Maximal network usage: 36/18 kbps in 1 minute, 58/86 kbps in 10 minutes, 58/87 kbps in 30 minutes
Average sessions: 21 sessions in 1 minute, 22 sessions in 10 minutes, 21 sessions in 30 minutes
Maximal sessions: 22 sessions in 1 minute, 28 sessions in 10 minutes, 28 sessions in 30 minutes
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Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 22 hours, 50 minutes
```

Memory usage threshold settings

```
config system global
    set memory-use-threshold-extreme 89
    set memory-use-threshold-green 82
    set memory-use-threshold-red 88
end
```

The exhibits show the system performance output and default configuration of high memory usage thresholds on a FortiGate device. Based on the system performance output, what are the two possible outcomes? (Choose two.)

- A. FortiGate has entered conserve mode.
- B. Administrators can access FortiGate only through the console port.
- C. Administrators can change the configuration.
- D. FortiGate drops new sessions.

Answer: CD

Explanation:

Since memory usage is at 90%, exceeding the red threshold (88%), FortiGate enters a state where configuration changes are still allowed. In this state, FortiGate drops new sessions to preserve resources and maintain stability.

NEW QUESTION 8

A network administrator is reviewing firewall policies in both Interface Pair View and By Sequence View. The policies appear in a different order in each view. Why is the policy order different in these two views?

- A. Policies in Interface Pair View are prioritized by security levels, while By Sequence View strictly follows the administrator's manual ordering.
- B. By Sequence View groups policies based on rule priority, while Interface Pair View always follows the order of traffic logs.
- C. The firewall dynamically reorders policies in Interface Pair View based on recent traffic patterns, but By Sequence View remains static.
- D. Interface Pair View sorts policies based on matching interfaces, while By Sequence View shows the actual processing order of rules.

Answer: D

Explanation:

Interface Pair View organizes policies grouped by source and destination interfaces, whereas By Sequence View displays policies in the exact order they are processed by the firewall.

NEW QUESTION 9

Which two statements are correct when FortiGate enters conserve mode? (Choose two.)

- A. FortiGate continues to run critical security actions, such as quarantine.
- B. FortiGate refuses to accept configuration changes.
- C. FortiGate halts complete system operation and requires a reboot to regain available resources.
- D. FortiGate continues to transmit packets without IPS inspection when the fail-open global setting in IPS is enabled.

Answer: BD

Explanation:

In conserve mode, FortiGate restricts configuration changes to preserve system stability.
 When IPS fail-open is enabled, FortiGate continues forwarding traffic without IPS inspection during resource constraints (conserve mode).

NEW QUESTION 10

Which three statements explain a flow-based antivirus profile? (Choose three.)

- A. FortiGate buffers the whole file but transmits to the client at the same time.
- B. Flow-based inspection uses a hybrid of the scanning modes available in proxy-based inspection.
- C. If a virus is detected, the last packet is delivered to the client.
- D. Flow-based inspection optimizes performance compared to proxy-based inspection.
- E. The IPS engine handles the process as a standalone.

Answer: ABD

Explanation:

Flow-based antivirus buffers the entire file while simultaneously transmitting data to the client to minimize latency.
 Flow-based inspection combines multiple scanning techniques from proxy-based modes for efficient detection. Flow-based inspection provides better performance by processing traffic on the fly without full proxy overhead.

NEW QUESTION 10

Refer to the exhibit.

Application and Filter Overrides			
+ Create New Edit Delete			
Priority	Details	Type	Action
1	 ABC.Com	Application	 Allow
2	 Excessive-Bandwidth	Filter	 Block
2			

An administrator has configured an Application Overrides for the ABC.Com application signature and set the Action to Allow. This application control profile is then applied to a firewall policy that is scanning all outbound traffic. Logging is enabled in the firewall policy. To test the configuration, the administrator accessed the ABC.Com web site several times.
 Why are there no logs generated under security logs for ABC.Com?

- A. The ABC.Com Type is set as Application instead of Filter.
- B. The ABC.Com is configured under application profile, which must be configured as a web filter profile.
- C. The ABC.Com Action is set to Allow.
- D. The ABC.Com is hitting the category Excessive-Bandwidth.

Answer: A

Explanation:

When the action is set to Allow in an application override, traffic matching this override is allowed without generating security logs because it bypasses deeper inspection and blocking.

NEW QUESTION 15

Which two statements about equal-cost multi-path (ECMP) configuration on FortiGate are true? (Choose two.)

- A. If SD-WAN is disabled, you can configure the parameter v4-ecmp-mode to volume-based.
- B. If SD-WAN is enabled, you can configure routes with unequal distance and priority values to be part of ECMP.
- C. If SD-WAN is disabled, you configure the load balancing algorithm in config system settings.
- D. If SD-WAN is enabled, you control the load balancing algorithm with the parameter load-balance-mode.

Answer: AD

NEW QUESTION 19

Refer to the exhibit.

```
HQ-NGFW-1 # diagnose test application ipsmonitor 1
pid = 2044, engine count = 0 (+1)
0 - pid:2074:2074 cfg:1 master:0 run:1
```

As an administrator you have created an IPS profile, but it is not performing as expected. While testing you got the output as shown in the exhibit. What could be the possible reason of the diagnose output shown in the exhibit?

- A. There is a no firewall policy configured with an IPS security profile.
- B. FortiGate entered into IPS fail open state.
- C. Administrator entered the command diagnose test application ipsmonitor 5.
- D. Administrator entered the command diagnose test application ipsmonitor 99.

Answer: A

Explanation:

The output shows the IPS engine count as 0, indicating no active IPS engines are running. This typically means no firewall policy is referencing the IPS security profile, so the IPS profile is not being applied or triggered.

NEW QUESTION 23

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