

# Latest FCSS\_EFW\_AD-7.6 Exam Tips - 100% Pass 2026

## First-grade Fortinet FCSS\_EFW\_AD-7.6 Reliable Real Test



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### Fortinet FCSS\_EFW\_AD-7.6 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>System Configuration: This section of the exam measures the skills of a Network Security Architect and covers the implementation and integration of core Fortinet infrastructure components. It includes deploying the Security Fabric, enabling hardware acceleration, configuring high availability operational modes, and designing enterprise networks utilizing VLANs and VDOM technologies to meet specific organizational requirements.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Routing: This section of the exam measures the skills of a Network Infrastructure Engineer and covers the implementation of dynamic routing protocols for enterprise network traffic management. It includes configuring both OSPF and BGP routing protocols to ensure efficient and reliable data transmission across complex organizational networks.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>VPN: This section of the exam measures the skills of a VPN Solutions Engineer and covers the implementation of various virtual private network technologies. It includes configuring IPsec VPN using IKE version 2 protocols and implementing Automatic Discovery VPN solutions to establish on-demand secure tunnels between multiple sites within an enterprise network infrastructure.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Security Profiles: This section of the exam measures the skills of a Threat Prevention Specialist and covers the configuration and management of comprehensive security profiling systems. It includes implementing SSL</li><li>SSH inspection, combining web filtering and application control mechanisms, integrating intrusion prevention systems, and utilizing the Internet Service Database to create layered security protections for organizational networks.</li></ul>
Topic 5	<ul style="list-style-type: none"><li>Central Management: This section of the exam measures the skills of a Security Operations Manager and covers the implementation of centralized management systems for coordinated control and oversight of distributed Fortinet security infrastructures across enterprise environments.</li></ul>

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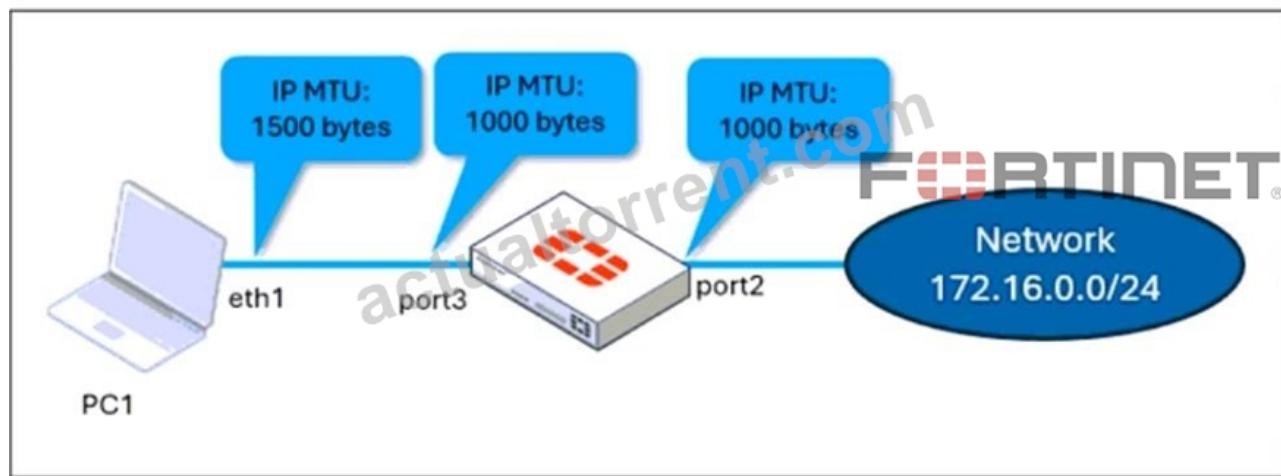
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### Fortinet FCSS - Enterprise Firewall 7.6 Administrator Sample Questions (Q29-Q34):

#### NEW QUESTION # 29

Refer to the exhibits.

#### Network topology



#### port 3 configuration on FortiGate

```
config system interface
  edit "port3"
    set vdom "root"
    set ip 10.0.0.1 255.255.255.0
    set allowaccess ping https ssh snmp http fgfm ftm
    set type physical
    set alias "LAN"
    set snmp-index 3
    set mtu-override enable
    set mtu 1000
  next
end
```

**FORTINET**

```
C:\Users\fortinet>ping 172.16.0.254 -f -1 1400

Pinging 172.16.0.254 with 1400 bytes of data:
Reply from 10.0.0.1: Packet needs to be fragmented but DF set.

Ping statistics for 172.16.0.254:
Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),
```

The configuration of a user's Windows PC, which has a default MTU of 1500 bytes, along with FortiGate interfaces set to an MTU of 1000 bytes, and the results of PC1 pinging server 172.16.0.254 are shown.

Why is the user in Windows PC1 unable to ping server 172.16.0.254 and is seeing the message: Packet needs to be fragmented but DF set?

- A. Fragmented packets must be encrypted. To connect any application successfully, the user must install the Fortinet\_CA certificate in the Microsoft Management Console.
- **B. FortiGate honors the do not fragment bit and the packets are dropped. The user has to adjust the ping MTU to 972 to succeed.**
- C. The user must trigger different traffic because path MTU discovery techniques do not recognize ICMP payloads.
- D. Option ip.flags.mf must be set to enable on FortiGate. The user has to adjust the ping MTU to 1000 to succeed.

**Answer: B**

Explanation:

The issue occurs because FortiGate enforces the "do not fragment" (DF) bit in the packet, and the packet size exceeds the MTU of the network path. When the Windows PC1 (with an MTU of 1500 bytes) attempts to send a 1400-byte packet, the FortiGate interface (with an MTU of 1000 bytes) needs to fragment it. However, since the DF bit is set, FortiGate drops the packet instead of fragmenting it.

To resolve this, the user should adjust the ping packet size to fit within the path MTU. In this case, reducing the packet size to 972 bytes (1000 bytes MTU minus 28 bytes for the IP and ICMP headers) should allow successful transmission.

**NEW QUESTION # 30**

Refer to the exhibit, which shows the FortiGuard Distribution Network of a FortiGate device.

FortiGuard Distribution Network on FortiGate

License Information		Status	
Entitlement		Actions	
Advanced Malware Protection	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
Attack Surface Security Rating	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
IoT Detection Definitions	<input type="radio"/> Version 0.00000	<input type="radio"/> Upgrade Database	
Outbreak Package Definitions	<input type="radio"/> Version 5.00036		
Security Rating & CIS Compliance	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
Data Loss Prevention (DLP)	<input type="triangle"/> Not Licensed		
DLP Signatures	<input type="radio"/> Version 0.00000		
Intrusion Prevention	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)	<input type="button" value="Actions"/>	
IPS Definitions	<input type="radio"/> Version 20.00.621	<input type="button" value="View List"/>	
IPS Engine	<input type="radio"/> Version 7.00539	<input type="button" value="View List"/>	
Malicious URLs	<input type="radio"/> Version 1.00001		
Botnet IPs	<input type="radio"/> Version 7.03758		
Botnet Domains	<input type="radio"/> Version 3.00847		
Operational Technology (OT) Security Service	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
Web Filtering	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
Blocked Certificates	<input type="radio"/> Version 1.00487		
DNS Filtering	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
Video Filtering	<input checked="" type="checkbox"/> Licensed (Expiration Date: 2025/11/10)		
SD-WAN Network Monitor	<input type="triangle"/> Not Licensed	<input type="button" value="Purchase"/>	
SD-WAN Overlay as a Service	<input type="triangle"/> Not Licensed	<input type="button" value="Purchase"/>	

An administrator is trying to find the web filter database signature on FortiGate to resolve issues with websites not being filtered correctly in a flow-mode web filter profile.

Why is the web filter database version not visible on the GUI, such as with IPS definitions?

- A. The web filter database is only accessible after manual syncing with a valid FDS server using diagnose test update info.
- B. The web filter database is stored locally on FortiGate, but it is hidden behind the GUI. It requires enabling debug mode to make it visible.
- C. The web filter database is not hosted on FortiGate: FortiGate queries FortiGuard or FortiManager for web filter ratings on demand.**
- D. The web filter database is stored locally, but the administrator must run over CLI diagnose autoupdate versions.

**Answer: C**

Explanation:

Unlike IPS or antivirus databases, FortiGate does not store a full web filter database locally. Instead, FortiGate queries FortiGuard (or FortiManager, if configured) dynamically to classify and filter web content in real time.

Key points:

# Web filtering works on a cloud-based model:

# When a user requests a website, FortiGate queries FortiGuard servers to check its category and reputation.

# The response is then cached locally for faster lookups on repeated requests.

# No local web filter database version:

# Unlike IPS and antivirus, which download and store signature updates locally, web filtering relies on cloud-based queries.

# This is why no database version appears in the GUI.

# Flow mode vs Proxy mode:

# In proxy mode, FortiGate can cache some web filter data, improving performance.

# In flow mode, all queries happen dynamically, with no locally stored database.

## NEW QUESTION # 31

How will configuring set tcp-mss-sender and set tcp-mss-receiver in a firewall policy affect the size and handling of TCP packets in the network?

- A. The administrator must consider the payload size of the packet and the size of the IP header to configure a correct value in the firewall policy.
- B. The TCP packet modifies the packet size only if the size of the packet is less than the one the administrator configured in the firewall policy.

- C. Applying commands in a firewall policy determines the largest payload a device can handle in a single TCP segment.
- D. The maximum segment size permitted in the firewall policy determines whether TCP packets are allowed or denied.

**Answer: C**

Explanation:

The set tcp-mss-sender and set tcp-mss-receiver commands in a firewall policy allow an administrator to adjust the Maximum Segment Size (MSS) of TCP packets.

This setting controls the largest payload size that a device can handle in a single TCP segment, ensuring that packets do not exceed the allowed MTU (Maximum Transmission Unit) along the network path.

# set tcp-mss-sender adjusts the MSS value for outgoing TCP traffic.

# set tcp-mss-receiver adjusts the MSS value for incoming TCP traffic.

This helps prevent issues with fragmentation and MTU mismatches, improving network performance and avoiding retransmissions.

### NEW QUESTION # 32

Refer to the exhibit, which shows the VDOM section of a FortiGate device.

Name	Management VDOM	Type	NGFW Mode
Core1	Management VDOM	Traffic	Profile-based
Core2	Management VDOM	Traffic	Profile-based

An administrator discovers that webfilter stopped working in Core1 and Core2 after a maintenance window.

Which two reasons could explain why webfilter stopped working? (Choose two.)

- A. The Core1 and Core2 VDOMs must also be enabled as Management VDOMs to receive FortiGuard updates
- B. The root VDOM does not have a VDOM link to connect with the Core1 and Core2 VDOMs.
- C. The root VDOM does not have access to any valid public FDN.
- D. The root VDOM does not have access to FortiManager in a closed network.

**Answer: B,C**

Explanation:

Since Core1 and Core2 are not designated as management VDOMs, they rely on the root VDOM for connectivity to external resources such as FortiGuard updates. If the root VDOM lacks a VDOM link to these VDOMs or cannot reach FortiGuard services, security features like web filtering will stop working.

### NEW QUESTION # 33

Why does the ISDB block layers 3 and 4 of the OSI model when applying content filtering? (Choose two.)

- A. The ISDB blocks the IP addresses and ports of an application predefined by FortiGuard.
- B. FortiGate has a predefined list of all IPs and ports for specific applications downloaded from FortiGuard.
- C. The ISDB limits access by URL and domain.
- D. The ISDB works in proxy mode, allowing the analysis of packets in layers 3 and 4 of the OSI model.

**Answer: A,B**

Explanation:

The Internet Service Database (ISDB) in FortiGate is used to enforce content filtering at Layer 3 (Network Layer) and Layer 4 (Transport Layer) of the OSI model by identifying applications based on their predefined IP addresses and ports.

FortiGate has a predefined list of all IPs and ports for specific applications downloaded from FortiGuard:

# FortiGate retrieves and updates a predefined list of IPs and ports for different internet services from FortiGuard.

# This allows FortiGate to block specific services at Layer 3 and Layer 4 without requiring deep packet inspection.

The ISDB blocks the IP addresses and ports of an application predefined by FortiGuard:

# ISDB works by matching traffic to known IP addresses and ports of categorized services.

# When an application or service is blocked, FortiGate prevents communication by denying traffic based on its destination IP and port number.

## NEW QUESTION # 34

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