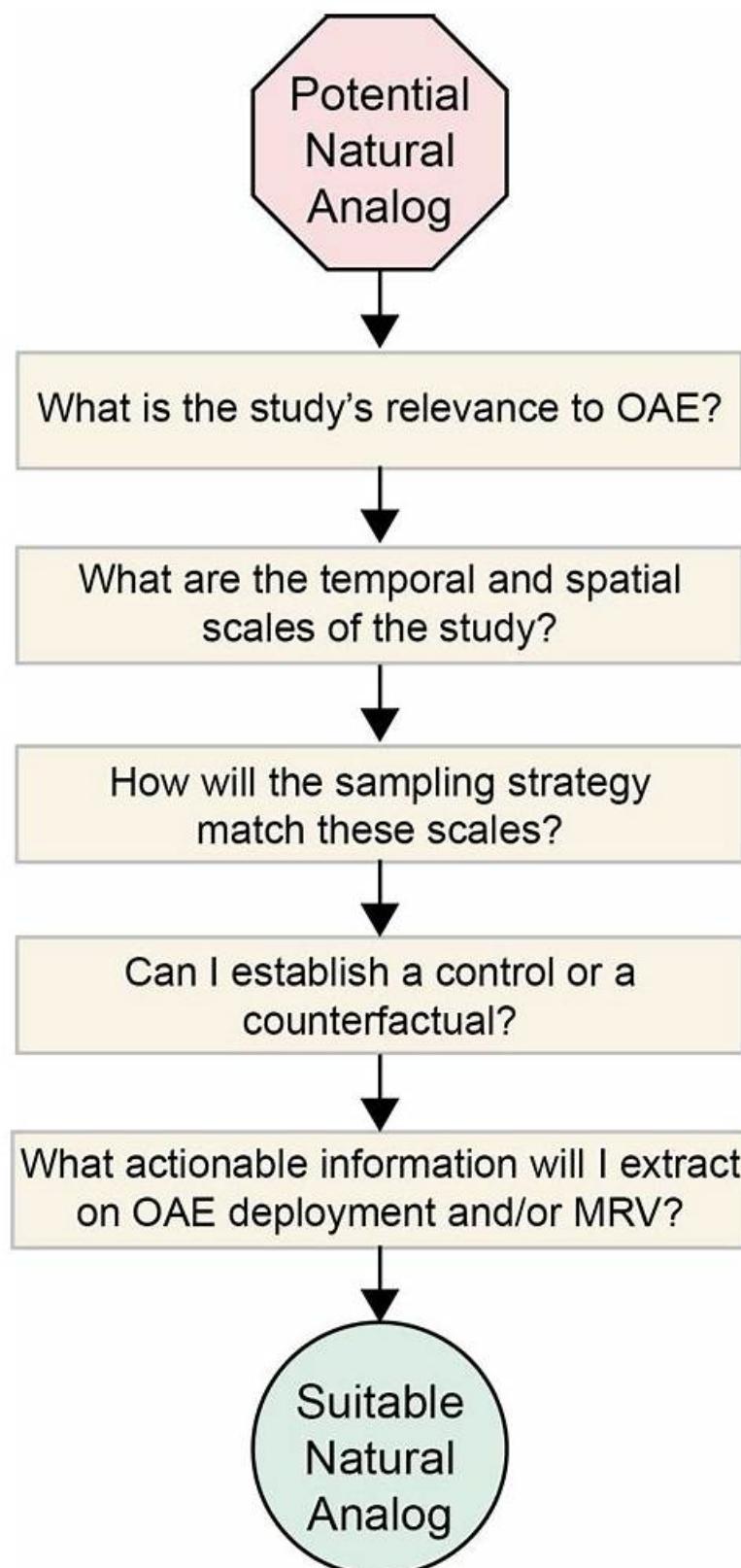


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Fortinet FCSS_EFW_AD-7.6 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• 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• 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.
Topic 2	<ul style="list-style-type: none">• 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.
Topic 3	<ul style="list-style-type: none">• 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.
Topic 4	<ul style="list-style-type: none">• 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.
Topic 5	<ul style="list-style-type: none">• 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.

>> FCSS_EFW_AD-7.6 Relevant Questions <<

FCSS_EFW_AD-7.6 Latest Study Questions - FCSS_EFW_AD-7.6 Boot Camp

The Fortinet sector is an ever-evolving and rapidly growing industry that is crucial in shaping our lives today. With the growing demand for skilled Fortinet professionals, obtaining FCSS - Enterprise Firewall 7.6 Administrator (FCSS_EFW_AD-7.6) certification exam has become increasingly important for those who are looking to advance their careers and stay competitive in the job market.

Fortinet FCSS - Enterprise Firewall 7.6 Administrator Sample Questions (Q47-Q52):

NEW QUESTION # 47

During the maintenance window, an administrator must sniff all the traffic going through a specific firewall policy, which is handled by NP6 interfaces. The output of the sniffer trace provides just a few packets.

Why is the output of sniffer trace limited?

- A. auto-asic-offload is set to enable in the firewall policy,
- B. The traffic corresponding to the firewall policy is encrypted.
- C. The option npudbg is not added in the diagnose sniff packet command.
- D. inspection-mode is set to proxy in the firewall policy.

Answer: A

Explanation:

FortiGate devices with NP6 (Network Processor 6) acceleration offload traffic directly to hardware, bypassing the CPU for improved performance. When auto-asic-offload is enabled in a firewall policy, most of the traffic does not reach the CPU, which means it won't be captured by the standard sniffer trace command.

Since NP6-accelerated traffic is handled entirely in hardware, only a small portion of initial packets (such as session setup packets or exceptions) might be seen in the sniffer output. To capture all packets, the administrator must disable hardware offloading using:

config firewall policy

edit <policy_ID>

set auto-asic-offload disable

end

Disabling ASIC offload forces traffic to be processed by the CPU, allowing the sniffer tool to capture all packets.

NEW QUESTION # 48

Refer to the exhibit, which shows the packet capture output of a three-way handshake between FortiGate and FortiManager Cloud.

Packet capture output of three-way handshake between a FortiGate and a FortiManager Cloud

```
> Frame 35: 1034 bytes on wire (8272 bits), 1034 bytes captured (8272 bits) on interface -, id 0
> Ethernet II, Src: 50:e5:d5: (50:e5:d5:), Dst: Fortinet_ (e0:23:ff: )
> Internet Protocol Version 4, Src: 192.168.2.60, Dst: 154.52.4.164
> Transmission Control Protocol, Src Port: 16304, Dst Port: 541, Seq: 1, Ack: 1, Len: 980
▼ Transport Layer Security
  ▼ TLSv1.3 Record Layer: Handshake Protocol: Client Hello
    Content Type: Handshake (22)
    Version: TLS 1.0 (0x0301)
    Length: 975
  ▼ Handshake Protocol: Client Hello
    Handshake Type: Client Hello (1)
    Length: 971
    ▶ Version: TLS 1.2 (0x0303)
      Random: a14f6c4b8f9313bf
      Session ID Length: 32
      Session ID: a0de426e96e83a5
      Cipher Suites Length: 34
    ▶ Cipher Suites (17 suites)
      Compression Methods Length: 1
    ▶ Compression Methods (1 method)
      Extensions Length: 864
    ▼ Extension: server_name (len=45) name=9398.support.fortinet-ca2.fortinet.com
      Type: server_name (0)
      Length: 45
    ▼ Server Name Indication extension
      Server Name list length: 43
      Server Name Type: host_name (0)
      Server Name length: 48
      Server Name: 9398.support.fortinet-ca2.fortinet.com
    ▶ Extension: ec_point_formats (len=4)
    ▶ Extension: supported_groups (len=22)
    ▶ Extension: session_ticket (len=0)
    ▶ Extension: encrypt_then_mac (len=0)
    ▶ Extension: extended_master_secret (len=0)
    ▶ Extension: signature_algorithms (len=48)
    ▶ Extension: supported_versions (len=9) TLS 1.3, TLS 1.2, TLS 1.1, TLS 1.0
    ▶ Extension: psk_key_exchange_modes (len=2)
```

What two conclusions can you draw from the exhibit? (Choose two.)

- A. The wildcard for the domain *.fortinet-ca2.support.fortinet.com must be supported by FortiManager Cloud.
- B. If the TLS handshake contains 17 cipher suites it means the TLS version must be 1.0 on this three-way handshake.
- C. FortiGate is connecting to the same IP server and will receive an independent certificate for its connection between FortiGate and FortiManager Cloud.
- D. FortiGate will receive a certificate that supports multiple domains because FortiManager operates in a cloud computing environment.

Answer: A

Explanation:

The packet capture output displays a TLS Client Hello message from FortiGate to FortiManager Cloud. This message contains Server Name Indication (SNI), which is used to indicate the domain name that FortiGate is trying to connect to. FortiGate will receive a certificate that supports multiple domains because FortiManager operates in a cloud computing environment.

FortiManager Cloud hosts multiple customers and domains under a shared infrastructure.

The TLS handshake includes SNI (Server Name Indication), which allows FortiManager Cloud to serve multiple certificates based on the requested domain.

This means FortiGate will likely receive a multi-domain or wildcard certificate that can be used for multiple customers under FortiManager Cloud.

The wildcard for the domain .fortinet-ca2.support.fortinet.com must be supported by FortiManager Cloud.

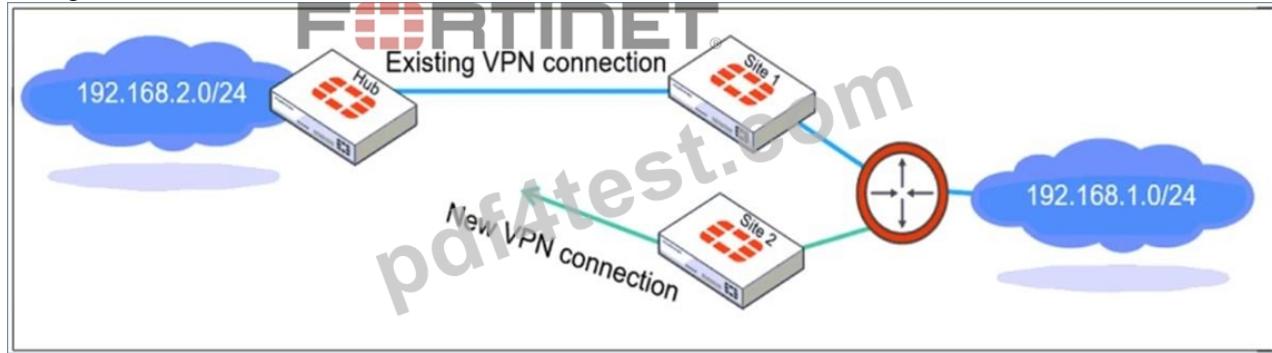
The SNI extension contains the domain 9398.support.fortinet-ca2.fortinet.com

FortiManager Cloud must support wildcard certificates such as *.fortinet-ca2.support.fortinet.com to securely manage multiple subdomains and customers.

This ensures that FortiGate can validate the server certificate without any TLS errors.

NEW QUESTION # 49

Refer to the exhibit, which shows a network diagram showing the addition of site 2 with an overlapping network segment to the existing VPN IPsec connection between the hub and site 1.



Which IPsec phase 2 configuration must an administrator make on the FortiGate hub to enable equal-cost multi-path (ECMP) routing when multiple remote sites connect with overlapping subnets?

- A. Set single-source to enable
- B. Set route-overlap to either use-new or use-old
- C. Set route-overlap to allow
- D. Set net-device to ecmp

Answer: B

Explanation:

When multiple remote sites connect to the same hub using overlapping subnets, FortiGate needs to determine which route should be used for traffic forwarding. The route-overlap setting in IPsec Phase 2 allows FortiGate to handle this scenario by deciding whether to keep the existing route (use-old) or replace it with a new route (use-new).

In an ECMP (Equal-Cost Multi-Path) routing setup, both routes should be retained and balanced, but FortiGate does not support ECMP directly over overlapping routes in IPsec Phase 2. Instead, an administrator must decide which connection takes precedence using route-overlap settings.

NEW QUESTION # 50

Refer to the exhibit, which shows a command output.

FortiGate_B # get system session list | grep icmp

FortiGate_B #

FortiGate_A and FortiGate_B are members of an FGSP cluster in an enterprise network.

While testing the cluster using the ping command, the administrator monitors packet loss and found that the session output on FortiGate_B is as shown in the exhibit.

What could be the cause of this output on FortiGate_B?

- A. FortiGate_A and FortiGate_B have the same standalone-group-id value.
- B. FortiGate_B is configured in passive mode.
- C. session-pickup-connectionless is set to disable on FortiGate_B.
- D. The session synchronization is encrypted.

Answer: C

Explanation:

The Fortinet FGSP (FortiGate Session Life Support Protocol) cluster allows session synchronization between two FortiGate devices to provide seamless failover. However, ICMP (ping) is a connectionless protocol, and by default, FortiGate does not synchronize connectionless sessions unless explicitly enabled.

In the exhibit:

The command get system session list | grep icmp on FortiGate_B returns no output, meaning that ICMP sessions are not being synchronized from FortiGate_A.

If session-pickup-connectionless is disabled, FortiGate_B will not receive ICMP sessions, causing packet loss during failover.

NEW QUESTION # 51

An administrator is setting up an ADVPN configuration and wants to ensure that peer IDs are not exposed during VPN establishment.

Which protocol can the administrator use to enhance security?

- A. Use IKEv2, which encrypts peer IDs and prevents exposure.
- B. Stick with IKEv1 main mode because it offers better performance.
- C. Opt for SSL VPN web mode because it does not use peer IDs at all.
- D. Choose IKEv1 aggressive mode because it simplifies peer identification.

Answer: A

Explanation:

In ADVPN (Auto-Discovery VPN) configurations, security concerns include protecting peer IDs during VPN establishment. Peer IDs are exchanged in the IKE (Internet Key Exchange) negotiation phase, and their exposure could lead to privacy risks or targeted attacks.

IKEv2 encrypts peer IDs, making it more secure compared to IKEv1, where peer IDs can be exposed in plaintext in aggressive mode.

IKEv2 also provides better performance and flexibility while supporting dynamic tunnel establishment in ADVPN.

NEW QUESTION # 52

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