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Fortinet NSE8_812 exam covers a wide range of topics related to network security, including network architecture, security protocols, intrusion prevention, endpoint security, and cloud security. NSE8_812 exam is designed to test the knowledge and skills of individuals who are responsible for designing and implementing network security solutions in complex environments.

Fortinet NSE8_812 Exam, also known as the Fortinet NSE 8 - Written Exam, is a certification exam that focuses on the advanced skills and knowledge required to design, implement, and manage Fortinet security solutions. NSE8_812 exam is intended for experienced security professionals with a deep understanding of networking, security concepts, and Fortinet products. The NSE8_812 Exam covers a broad range of topics, including high-level architecture, security best practices, troubleshooting techniques, and advanced configuration strategies.

Fortinet NSE8_812 exam assesses the candidate's knowledge and skills in various areas such as network security, cloud security, application security, and endpoint security. NSE8_812 exam is designed for professionals who have several years of experience in the field of cybersecurity and have a deep understanding of Fortinet products.

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Fortinet NSE 8 - Written Exam (NSE8_812) Sample Questions (Q74-Q79):

NEW QUESTION # 74

SD-WAN is configured on a FortiGate. You notice that when one of the internet links has high latency the time to resolve names using DNS from FortiGate is very high.

You must ensure that the FortiGate DNS resolution times are as low as possible with the least amount of work.

What should you configure?

- A. Configure two DNS servers and use DNS servers recommended by the two internet providers.
- B. Configure local out traffic to use the outgoing interface based on SD-WAN rules with a manual defined IP associated to a loopback interface and configure an SD-WAN rule from the loopback to the DNS server.
- C. Configure an SD-WAN rule to the DNS server and use the FortiGate interface IPs in the source address.
- D. **Configure local out traffic to use the outgoing interface based on SD-WAN rules with the interface IP and configure an SD-WAN rule to the DNS server.**

Answer: D

Explanation:

SD-WAN is a feature that allows users to optimize network performance and reliability by using multiple WAN links and applying rules based on various criteria, such as latency, jitter, packet loss, etc. One way to ensure that the FortiGate DNS resolution times are as low as possible with the least amount of work is to configure local out traffic to use the outgoing interface based on SD-WAN rules with the interface IP and configure an SD-WAN rule to the DNS server. This means that the FortiGate will use the best WAN link available to send DNS queries to the DNS server according to the SD-WAN rule, and use its own interface IP as the source address. This avoids NAT issues and ensures optimal DNS performance. Reference:

<https://docs.fortinet.com/document/fortigate/7.0.0/sd-wan/19662/sd-wan>

NEW QUESTION # 75

A customer's cybersecurity department needs to implement security for the traffic between two VPCs in AWS, but these belong to different departments within the company. The company uses a single region for all their VPCs.

Which two actions will achieve this requirement while keeping separate management of each department's VPC? (Choose two.)

- A. Create an IAM account for the cybersecurity department to manage both existing VPC, create a FortiGate HA Cluster on each VPC and IPSEC VPN to force traffic between the VPCs through the FortiGate clusters
- B. **Create a VPC with a FortiGate auto-scaling group with a Transit Gateway attached to the three VPC to force routing through the FortiGate cluster**
- C. **Create a transit VPC with a FortiGate HA cluster, connect to the other two using VPC peering, and use routing tables to force traffic through the FortiGate cluster.**
- D. Migrate all the instances to the same VPC and create IAM accounts for each department, then implement a new subnet for a FortiGate auto-scaling group and use routing tables to force the traffic through the FortiGate cluster.

Answer: B,C

Explanation:

To implement security for the traffic between two VPCs in AWS, while keeping separate management of each department's VPC, two possible actions are:

* Create a transit VPC with a FortiGate HA cluster, connect to the other two using VPC peering, and use routing tables to force traffic through the FortiGate cluster. This option allows the cybersecurity department to manage the transit VPC and apply security policies on the FortiGate cluster, while the other departments can manage their own VPCs and instances. The VPC peering connections enable direct communication between the VPCs without using public IPs or gateways. The routing tables can be configured to direct all inter-VPC traffic to the transit VPC.

* Create a VPC with a FortiGate auto-scaling group with a Transit Gateway attached to the three VPCs to force routing through the FortiGate cluster. This option also allows the cybersecurity department to manage the security VPC and apply security policies on the FortiGate cluster, while the other departments can manage their own VPCs and instances. The Transit Gateway acts as a network hub that connects multiple VPCs and on-premises networks. The routing tables can be configured to direct all inter-VPC traffic to the security VPC. References: <https://docs.fortinet.com/document/fortigate-public-cloud/7.2.0/aws-administration-guide/506140/connecting-a-local-fortigate-to-an-aws-vpc-vpn>

<https://docs.fortinet.com/document/fortigate-public-cloud/7.0.0/sd-wan-architecture-for-enterprise/166334/sd-wan-configuration>

NEW QUESTION # 76

You must analyze an event that happened at 20:37 UTC. One log relevant to the event is extracted from FortiGate logs:

```

date=2022-07-11 time=10:37:08 eventtime=1657571829014946018 tz="-1000" logid="0000000022"
type="traffic" subtype="forward" level="notice" vd="root" srcip=10.100.91.12 srcport=51542
srcintf="port3" srcintfrole="lan" dstip=8.8.8.8 dstport=53 dstintf="port1" dstintfrole="wan"
srcuuid="2b4ee3fc-0124-51ed-7898-eae1b990b1ec" dstuuid="2b4ee3fc-0124-51ed-7898-eae1b990b1ec"
srccountry="Reserved" dstcountry="United States" sessionid=402530 proto=17 action="accept"
policyid=13 policytype="policy" poluuid="766bb740-0124-51ed-ca3a-eacce4ed289f" policymame="LAN to
Internet" service="DNS" trandisp="snat" transip=10.100.64.101 transport=51542 appid=16195 app="DNS"
appcat="Network.Service" apprisk="elevated" applist="default" duration=180 sentbyte=45 rcvbyte=120
sentpkt=1 rcvpkt=1 srchvvendor="Fortinet" devtype="Router" srcfamily="FortiGate" osname="FortiOS"
mastersrcmac="00:09:0f:00:03:01" srcmac="00:09:0f:00:03:01" srcserver=0

```

The devices and the administrator are all located in different time zones Daylight savings time (DST) is disabled

* The FortiGate is at GMT-1000.

* The FortiAnalyzer is at GMT-0800

* Your browser local time zone is at GMT-03.00

You want to review this log on FortiAnalyzer GUI, what time should you use as a filter?

- A. 20:37:08
- B. 12:37:08
- C. **17:37:08**
- D. 10:37:08

Answer: C

Explanation:

To review this log on FortiAnalyzer GUI, the administrator should use the time filter that matches the local time zone of FortiAnalyzer, which is GMT-0800. Since the log was generated at 20:37 UTC (GMT+0000), the corresponding time in GMT-0800 is 20:37 - 8 hours = 12:37. However, since DST is disabled on FortiAnalyzer, the administrator should add one hour to account for daylight saving time difference, resulting in 12:37 + 1 hour = 13:37. Therefore, the time filter to use is 13:37:08.

Reference: <https://docs.fortinet.com/document/fortianalyzer/6.4.0/administration-guide/103664/time-zone-and-daylight-saving-time>

NEW QUESTION # 77

Refer to the exhibit, which shows a FortiGate configuration snippet.

```

set status enable
config members
    edit 1
        set interface "wan1"
        set priority 1
    next
    edit 2
        set interface "USA VPN"
        set priority 2
    next
end
config service
    edit 1
        set name "USA Browsing"
        set dst "all"
        set src "all"
        set priority-members 2
    next
end
config system automation-action
    edit "Enable USA Browsing script"
        set action-type cli-script
        set script "config system sdwan
config service
    edit 1
        set status enable
    next
end
config access-profile "super_admin"
next

```

A customer in Costa Rica has a FortiGate with SD-WAN configured to use a VPN connection to the United States to browse the internet using a public IP from that country. They would like to enable the SD-WAN rule using a webhook.

Which configuration must be added to the FortiGate, and which type of HTTP request must be used to accomplish this? (Choose two.)

Add to the FortiGate the configuration:

```
config system automation-trigger
  edit "Enable USA Browsing"
    set event-type incoming-webhook
    next
  end
config system automation-stitch
  edit "Enable USA Browsing stitch"
    set trigger "Enable USA Browsing"
    config actions
      edit 1
        set action "Enable USA Browsing script"
        set required enable
      next
    end
  next
end
next
```

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- A.

Issue an HTTP POST to

'<https://192.168.1.99/api/v2/monitor/system/automation-stitch/webhook/Enable%20USA%20Browsing>'

- B.

Issue an HTTP GET to

'<https://192.168.1.99/api/v2/monitor/system/automation-stitch/webhook/Enable%20USA%20Browsing>'

- C.

Add to the FortiGate the configuration:

```
config system automation-trigger
  edit "Enable USA Browsing webhook"
    set event-type incoming-webhook
    next
  end
config system automation-stitch
  edit "Enable USA Browsing"
    set trigger "Enable USA Browsing"
    config actions
      edit 1
        set action "Enable USA Browsing script"
        set required enable
      next
    end
  next
end
```

- D.

Answer: C,D

NEW QUESTION # 78

Refer to the exhibit, which shows a FortiGate configuration snippet.

```
config system sdwan
    set status enable
    config members
        edit 1
            set interface "wan1"
            set priority 1
        next
        edit 2
            set interface "USA VPN"
            set priority 2
        next
    end
    config service
        edit 1
            set name "USA Browsing"
            set dst "all"
            set src "all"
            set priority-members 2
        next
    end
end
config system automation-action
    edit "Enable USA Browsing script"
        set action-type cli-script
        set script "config system sdwan
config service
    edit 1
        set status enable
    next
end
end"
    set accprofile "super_admin"
next
end
```

A customer in Costa Rica has a FortiGate with SD-WAN configured to use a VPN connection to the United States to browse the internet using a public IP from that country. They would like to enable the SD-WAN rule using a webhook.

Which configuration must be added to the FortiGate, and which type of HTTP request must be used to accomplish this? (Choose two.)

Issue an HTTP GET to
'https://192.168.1.99/api/v2/monitor/system/automation-
stitch/webhook/Enable%20USA%20Browsing'

- A.

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Add to the FortiGate the configuration:

```
config system automation-trigger
    edit "Enable USA Browsing webhook"
        set event-type incoming-webhook
    next
end

config system automation-stitch
    edit "Enable USA Browsing"
        set trigger "Enable USA Browsing webhook"
        config actions
            edit 1
                set action "Enable USA Browsing script"
                set required enable
            next
        end
    next
end
```

- B.

```
Issue an HTTP POST to
'https://192.168.1.99/api/v2/mconfig/system/automation-
stitch/webhook/Enable%20USA%20Browsing'
```

- C.

Add to the FortiGate the configuration:

```
config system automation-trigger
    edit "Enable USA Browsing"
        set event-type incoming-webhook
    next
end

config system automation-stitch
    edit "Enable USA Browsing stitch"
        set trigger "Enable USA Browsing"
        config actions
            edit 1
                set action "Enable USA Browsing script"
                set required enable
            next
        end
    next
end
```

- D.

Answer: A,B

NEW QUESTION # 79

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