Vendor: Fortinet

Exam Code: NSE8_812

Exam Name: Fortinet NSE 8 - Written Exam

Version: DEMO

QUESTION 1
Refer to the CLI output:

```
FortiWeb Security Service:
2022-01-03
Lest Update Time: 2022-02-17 Method: Scheduled
Signature Build Number-0.00177
FortiWeb Antivirus Service:
2022-01-03
Last Update Time: 2022-02-17 Method: Scheduled
Regular Virus Database Version-42.00885
Extended Virus Database Version-42.00814
FortiWeb IP Reputation Service:
2022-01-03
Last Update Time: 2022-02-17 Method: Scheduled
Signature Build Number-3.00315
System files MD5SUM: 5660BD9FA1F6C86ESA31B2A139045F17
CLI files MD5SUM: 71BF206315679018536D9E19B37CBEAE
```

Given the information shown in the output, which two statements are correct? (Choose two.)

A. Geographical IP policies are enabled and evaluated after local techniques
B. Attackers can be blocked before they target the servers behind the FortiWeb
C. The IP Reputation feature has been manually updated
D. An IP address that was previously used by an attacker will always be blocked
E. Reputation from blacklisted IP addresses from DHCP or PPPoE pools can be restored

Answer: BE

QUESTION 2
Refer to the exhibit. You are deploying a FortiGate 6000F. The device should be directly connected to a switch. In the future, a new hardware module providing higher speed will be installed in the switch, and the connection to the FortiGate must be moved to this higher-speed port.
You must ensure that the initial FortiGate interface connected to the switch does not affect any other port when the new module is installed and the new port speed is defined.
How should the initial connection be made?
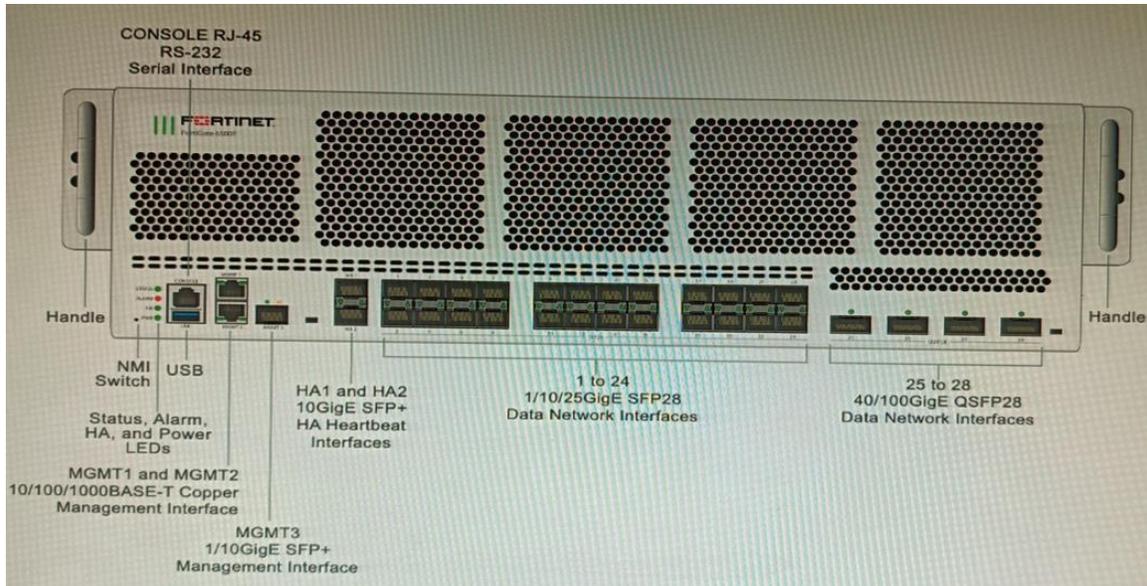
A. Connect the switch on any interface between ports 21 to 24
B. Connect the switch on any interface between ports 25 to 28
C. Connect the switch on any interface between ports 1 to 4
D. Connect the switch on any interface between ports 5 to 8

Answer: A
Explanation:
6000F has 6 interface groups:
1 to 4 - 5 to 8 - 9 to 12 - 13 to 16 - 17 to 20 - 21 to 24.
This means the only way to be sure the initial connection does not affect the rest is 25-28.

QUESTION 3
You are designing a setup where the FortiGate device is connected to two upstream ISPs using BGP. Part of the requirement is that you must be able to refresh the route advertisements manually without disconnecting the BGP neighborships.
Which feature must you enable on the BGP neighbors to accomplish this goal?

A. Graceful-restart
B. Deterministic-med
C. Synchronization
D. Soft-reconfiguration

Answer: D

QUESTION 4
Refer to the exhibit, which shows a Branch1 configuration and routing table.

```
Branch1 # show system sdwan
config system sdwan
    set status enable
    set load-balance-mode source-dest-ip-based
    config zone
        edit "internet"
        next
        edit "overlay"
        next
    end
    config members
        edit 1
            set interface "wan1"
                set zone "internet"
        next
        edit 2
            set interface "wan2"
            set zone "internet"
        next
        edit 3
            set interface "vpn1-net"
            set zone "overlay"
        next
        edit 4
            set interface "vpn2-mpls"
            set zone "overlay"
        next
    end
     config service
     end
end

#############################

Branch1 # get: router info routing—table all
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
       * — candidate default

Routing table for VRF=0
S*      0.0.0.0/0 [1/0] via 10.198.1.1, wan1, [1/0]
                  [1/0] via 10.198.2.1, wan2, [1/0]
                  [1/0] via vpn1-net tunnel 10.198.5.2, [1/0]
                  [1/0] via vpn1-mpls tunnel 10.198.6.2, [1/0]
C       10.1.1.0/24 is directly connected, port3
...
```

In the SD-WAN implicit rule, you do not want the traffic load balance for the overlay interface when all members are available.
In this scenario, which configuration change will meet this requirement?

A. Change the load-balance-mode to source-ip-based.
B. Create a new static route with the internet sdwan-zone only.
C. Configure the cost in each overlay member to 10.
D. Configure the priority in each overlay member to 10.

Answer: D
Explanation:
https://docs.fortinet.com/document/fortigate/6.4.0/sd-wan-deployment-for-mssps/775385/defining-interface-members

**QUESTION 5**
Refer to the exhibits.

GUI Access
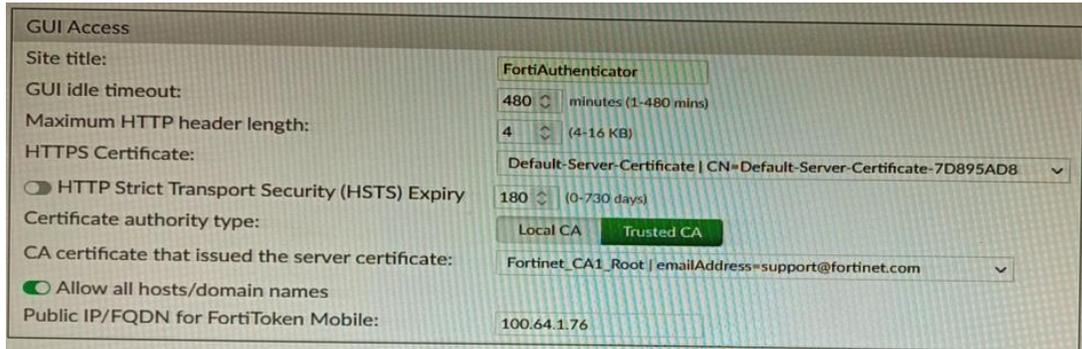
Configuration

```
FG-1 # show system ftm-push
config system ftm-push
    set server-cert "self-sign"
    set server "10.0.1.150"
    set status enable
end

FG-1# show system interface port1
config system interface
    edit "port1"
        set vdom "root"
        set ip 100.64.1.41 255.255.255.0
        set allowaccess ping
        set type physical
        set alias "WAN"
        set role wan
        set snmp-index 1
    next
end
```

Topology
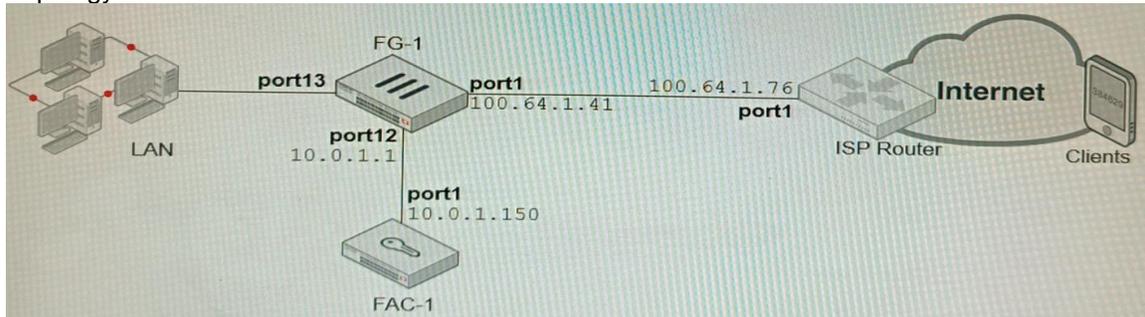
An administrator has configured a FortiGate and FortiAuthenticator for two-factor authentication with FortiToken push notifications for their SSL VPN login. Upon initial review of the setup, the administrator has discovered that the customers can manually type in their two-factor code and authenticate but push notifications.
Based on the information given in the exhibits, what must be done to fix this?

A. On FG-1 port1, the ftm access protocol must be enabled.
B. FAC-1 must have an internet routable IP address for push notifications.
C. On FG-1 CLI, the ftm-push server setting must point to 100.64.1.41.
D. On FAC-1, the FortiToken public IP setting must point to 100.64.1.41.

Answer: D

QUESTION 6
Refer to the exhibit. A customer has deployed a FortiGate 300E with virtual domains (VDOMs) enabled in the multi-VDOM mode. There are three VDOMs: Root is for management and internet

access, while VDOM 1 and VDOM 2 are used for segregating internal traffic. AccountVInk and SalesVInk are standard VDOM links in Ethernet mode.
Given the exhibit, which two statements below about VDOM behavior are correct? (Choose two.)
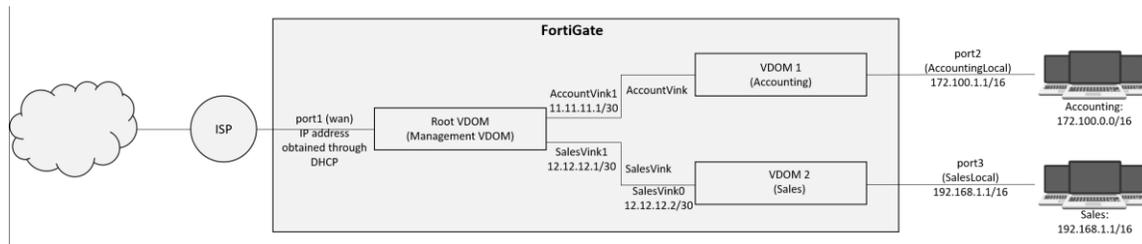
A. You can apply OSPF routing on the VDOM link in either PPP or Ethernet mode
B. Traffic on AccountVInk and SalesVInk will not be accelerated
C. The VDOM links are in Ethernet mode because they have IP addressed assigned on both sides
D. Root VDOM is an Admin type VDOM, while VDOM 1 and VDOM 2 are Traffic type VDOMs
E. OSPF routing can be configured between VDOM 1 and Root VDOM without any configuration changes to AccountVInk

Answer: AB

QUESTION 7
You are responsible for recommending an adapter type for NICs on a FortiGate VM that will run on an ESXi Hypervisor.
Your recommendation must consider performance as the main concern, cost is not a factor.
Which adapter type for the NICs will you recommend?

A. Native ESXi Networking with E1000
B. Virtual Function (VF) PCI Passthrough
C. Native ESXi Networking with VMXNET3
D. Physical Function (PF) PCI Passthrough

Answer: D
Explanation:
https://docs.fortinet.com/document/fortigate-private-cloud/6.4.0/vmware-esxi-administration-guide/553137/sr-iov

QUESTION 8
You are deploying a FortiExtender (FEX) on a ForiGate-60F. The FEX will be managed by the FortiGate. You anticipate high utilization. The requirement is to minimize the overhead on the device for WAN traffic.
Which action achieves the requirement in this scenario?

A. Add a switch between the FortiGate and FEX.
B. Enable CAPWAP connectivity between the FortiGate and the FortiExtender
C. Change connectivity between the FortiGate and the FortiExtender to use VLAN Mode
D. Add a VLAN under the FEX-WAN interface on the FortiGate

Answer: C

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