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# 500-220^Q&As

Cisco Meraki Solutions Specialist

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**QUESTION 1**

DRAG DROP

Drag and drop the steps from the left into the sequence on the right to manage device control, according to Cisco Meraki best practice.

Select and Place:

| enroll | 1 |
| create profile | 2 |
| add settings profile | 3 |
| define tags | 4 |
| apply profile | 5 |

Correct Answer:

| | create profile |
| | add settings profile |
| | enroll |
| | define tags |
| | apply profile |

**QUESTION 2**

DRAG DROP

Drag and drop the descriptions from the left onto the corresponding MX operation mode on the right.

Select and Place:

| | Routed mode |
|---|---|
| The MX appliance acts as a layer 2 bridge | |
| This mode is the default mode of operation | |
| DHCP services can be configured on the MX appliance | |
| VLANs cannot be configured | |
| This mode is generally also the default gateway for devices on the LAN | **Passthrough mode** |
| This mode is not recommended at the network perimeter | |
| No address translation is provided | |
| Client traffic to the internet has the source IP rewritten to match the WAN IP of the appliance | |

Correct Answer:

**Routed mode**

Client traffic to the internet has the source IP rewritten to match the WAN IP of the appliance

VLANs cannot be configured

This mode is the default mode of operation

This mode is generally also the default gateway for devices on the LAN

**Passthrough mode**

The MX appliance acts as a layer 2 bridge

DHCP services can be configured on the MX appliance

This mode is not recommended at the network perimeter

No address translation is provided

**QUESTION 3**

Which type of authentication protocol is used when using OSPF on an MX appliance?

A. MD5

B. certificate

C. plaintext

D. SHA-1

Correct Answer: A

Reference: https://documentation.meraki.com/MX/Site-to-site_VPN/Using_OSPF_to_Advertise_Remote_VPN_Subnets

**QUESTION 4**

Which Cisco Meraki best practice method preserves complete historical network event logs?

A. Configuring the preserved event number to maximize logging.

B. Configuring the preserved event period to unlimited.

C. Configuring a syslog server for the network.

D. Configuring Dashboard logging to preserve only certain event types.

Correct Answer: C

**QUESTION 5**



Refer to the exhibit. The VPN concentrator is experiencing issues. Which action should be taken to ensure a stable environment?

A. Add a deny any/any firewall rule to the end of the firewall rules.

B. Remove the connection from Internet 1.

C. Physically disconnect all LAN ports.

D. Configure the MX appliance to Routed mode on the Addressing and VLANS page.

Correct Answer: C

**QUESTION 6**

## Route table

| | SUBNET | NAME | TYPE | SORT BY |
| --- | --- | --- | --- | --- |
| | Search by subnet | Search by name | All ▾ | Priority ↓▾ |

| Subnet | Name | Type | Next hop |
| --- | --- | --- | --- |
| ● 10.115.32.0/28 | Store 1532 – appliance: MGMT | Meraki VPN: VLAN | Peer: Store 1532 – appliance |
| ● 10.116.32.0/28 | Store 1532 – appliance: DATA | Meraki VPN: VLAN | Peer: Store 1532 – appliance |
| ● 192.39.2.28/32 | External | BGP | 10.128.124.62 |
| ● 192.168.70.8/29 | MSP NOC | IPSec Peer | 4.99.111.99 |
| ● 192.168.70.0/29 | MSP NOC | IPSec Peer | 4.100.99.100 |
| ● 192.39.228.0/24 | External | BGP | 10.128.124.62 |
| ● 192.168.0.0/16 | External | BGP | 10.128.124.62 |

Refer to the exhibit. A packet arrives on the VPN concentrator with source IP 10.168.70.3 and destined for IP 10.116.32.4.

What is the next hop for the packet, based on this concentrator routing table?

A. The concentrator gateway (10.128.124.62) is the next hop.

B. Not enough detail is available to determine the next hop.

C. The packet is stopped.

D. The Auto VPN peer "Store 1532 ?appliance" is the next hop.

Correct Answer: B

**QUESTION 7**

What happens to an unsupervised iOS device when the "Meraki management" profile is removed?

A. The "Meraki management" profile is removed. All configuration profiles that Systems Manager pushed remain.

B. The "Meraki management" profile is removed. All configuration profiles that Systems Manager pushed are also removed.

C. The "Meraki management" profile is removed and then pushed automatically by Systems Manager.

D. The "Meraki management" profile cannot be removed.

Correct Answer: B

**QUESTION 8**

WAN Health    For the last 2 hours    ▼

| Uplink Status | Network Name ▲ | Uplink Type | ISP | Availability | Total Usage | Average Throughput | Loss | Average Latency | Jitter |
|---|---|---|---|---|---|---|---|---|---|
| ● Ready | Meraki Sydney – appliance | WAN 1 | unknown | | ↓ 4.03 GB, ↑ 1.39 GB | ↓ 4.44 Mb/s, ↑ 1.55 Mb/s | 0.00% | 4.33 ms | 0.05 ms |
| ● Active | Meraki Sydney – appliance | WAN 2 | anticklockwise.net.au | | ↓ 23.18 GB, ↑ 14.85 GB | ↓ 25.00 Mb/s, ↑ 15.39 Mb/s | 0.00% | 0.79 ms | 0.06 ms |

Refer to the exhibit. What are the Loss and Average Latency statistics based on?

A. responses that the MX appliance receives on the connectivity-testing hostnames on the Insight > Web App Health page

B. responses that the MX appliance receives on the connectivity-testing IP addresses on the Security and SD-WAN > Firewall page

C. responses that the MX appliance receives on the connectivity-testing IP address that is configured on the Security and SD-WAN > SD-WAN and Traffic Shaping page

D. responses that the MX appliance receives on the connectivity-testing IP addresses on the Help > Firewall info page

Correct Answer: C

**QUESTION 9**

# License information for Home

| | | |
|---|---|---|
| License status | OK | |
| License expiration ⓘ | May 20, 2029 (3593 days from now) | |
| MX advanced Security | Enabled | |
| System Manager | Enabled (paid) | |

| | License limit | Current device count |
|---|---|---|
| MS220-8P | 1 | 1 |
| MV | 2 | 0 |
| MX64 | 1 | 1 |
| Systems Manager Agent | 100 | 0 |
| Wireless AP | 7 | 1 |
| MV-SEN | 10 free | 0 |

Add another license

Refer to the exhibit. This Dashboard organization uses Co-Termination licensing model.

What happens when an additional seven APs are claimed on this network without adding licenses?

A. All APs immediately stop functioning.

B. All network devices stop functioning in 30 days.

C. One AP Immediately stops functioning.

D. All APs stop functioning in 30 days.

Correct Answer: B

**QUESTION 10**

Which two Systems Manager Live tools are available only for Apple Macs and Windows PCs and cannot be used on iOS or Android mobile devices? (Choose two.)

A. OS updates
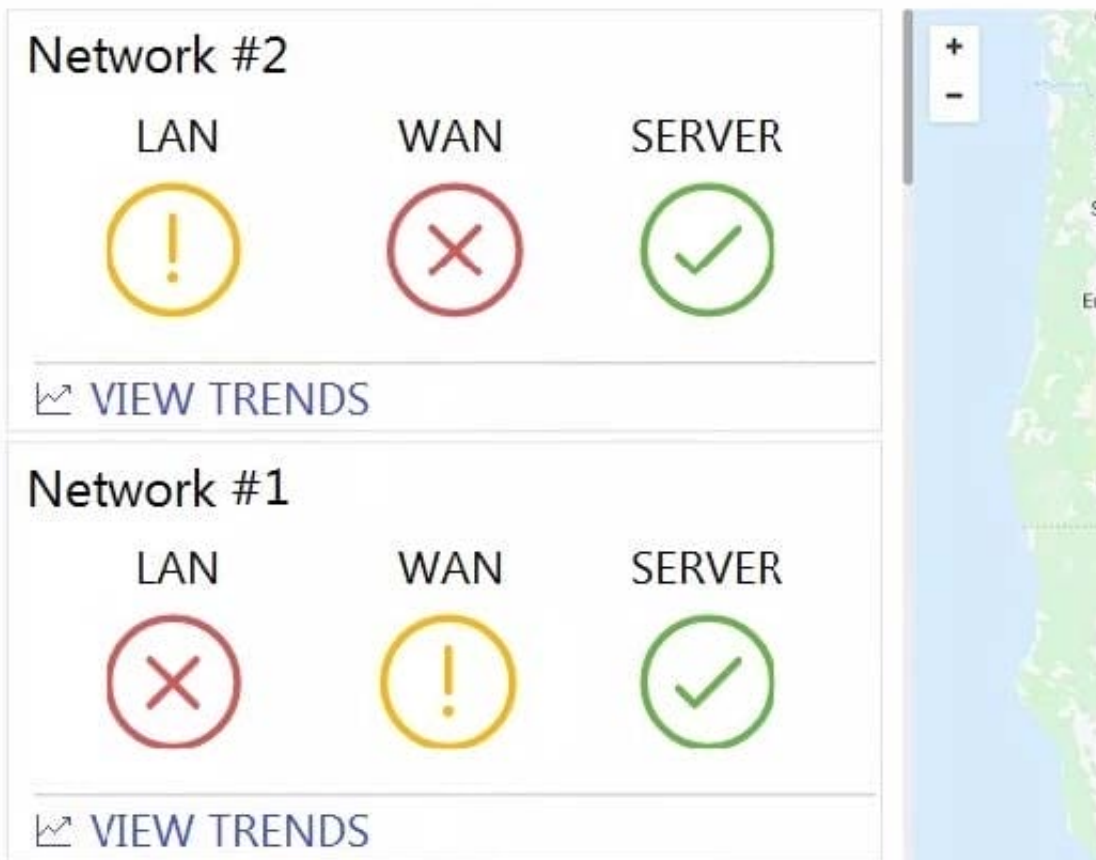
B. Send notification

C. Selective wipe

D. Screenshot

E. Remote Desktop

Correct Answer: CE

Reference: https://documentation.meraki.com/SM/Other_Topics/Systems_Manager_FAQ

**QUESTION 11**



Refer to the exhibit. What are two outcomes reflected in the Web App Health application? (Choose two.)

A. Users on both networks may be experiencing issues when attempting to reach Google.

B. Network #1 could not load Google because of a remote server issue.

C. Network #2 had better application performance than Network #1.

D. Network #2 could not load Google because of a local client misconfiguration.

E. Neither network recorded any server-side performance issues.

Correct Answer: AE

**QUESTION 12**



Refer to the exhibit. Which outcome occurs when logging is set to Enabled?

A. Outbound flows are sent to a configured syslog server if a syslog sender is configured for flows.

B. The hits counter within this section is now enabled.

C. This firewall rule is now enabled.

D. Inbound flows are sent to a configured syslog server if a syslog server configured for flows.

Correct Answer: A

**QUESTION 13**

Which two primary metrics does Meraki Insight use to calculate the Application Performance Score? (Choose two.)

A. Maximum Jitter

B. Total Bandwidth Usage

C. Maximum Latency

D. Per-flow Goodput

E. Application Response Time

Correct Answer: DE

Reference: https://cloudcontrolled.uk/wp-content/uploads/2018/08/MerakiInsight.pdf (04)

**QUESTION 14**

For which two reasons can an organization become "Out of License"? (Choose two.)

A. licenses that are in the wrong network

B. more hardware devices than device licenses

C. expired device license

D. licenses that do not match the serial numbers in the organization

E. MR licenses that do not match the MR models in the organization

Correct Answer: BC

Reference: https://documentation.meraki.com/General_Administration/Licensing/Meraki_Licensing_FAQs

**QUESTION 15**
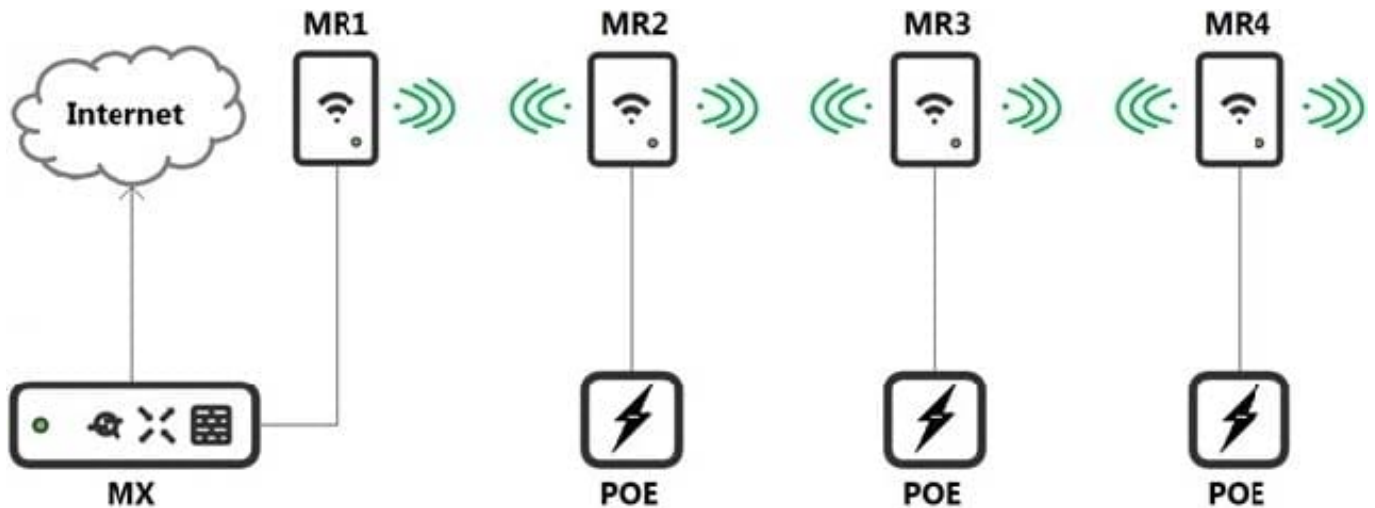


Refer to the exhibit. Which design recommendation should be considered?

A. A 25-percent throughput loss occurs for every hop. Cisco Meraki best practice recommends a 1-hop maximum.

B. A 25-percent throughput loss occurs for every hop. Cisco Meraki best practice recommends a 2-hop maximum.

C. A 50-percent throughput loss occurs for every hop. Cisco Meraki best practice recommends a 1-hop maximum.

D. A 50-percent throughput loss occurs for every hop. Cisco Meraki best practice recommends a 2-hop maximum.

Correct Answer: C

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