



# Cisco

## Exam Questions 200-901

Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)

## NEW QUESTION 1

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```

{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}

```

**Response Status Code:** 400 Bad Request

```

{"messages":[{"level":"Error","code":"JSON-PARSE-ERROR","details":"
Unexpected character ('\'' (code 34)):"

```

Which JSON is equivalent to the XML –encoded data?

### List Messages

Lists all messages in a room. Each message will include content attachments if present.

The list sorts the messages in descending order by creation date.

Long result sets will be split into [pages](#).

**GET** /v1/messages

### Query Parameters

**roomId**  
string **Required**  
List messages in a room, by ID.

**mentionedPeople**  
array  
List messages with these people mentioned, by ID.  
Use me as a shorthand for the current API user.

**before**  
string  
List messages sent before a date and time.

**beforeMessage**  
string  
List messages sent before a message, by ID.

**max**  
number  
Limit the maximum number of messages in the response.  
Default: **50**

**Try it** **Example**

**GET** /v1/messages(?roomId,mentionedPeople,before,beforeMessage)

**Header**

Authorization ☒ Use personal access token

**Bearer** .....

*This limited-duration personal access token is hidden for your security.*

**Query Parameters**

**roomId**  
**Required** e.g. Y2lzY29zcGFyazovL3VzL1JPT00vYmJj

**mentionedPeople** e.g. Y2lzY29zcGFyazovL3VzL1BFT1BMRS6

**before** e.g. 2016-04-2Tfj:9:01:55:966Z

**beforeMessage** e.g. Y2lzY29zcGFyazovL3VzL1FU1NBROL

**max** e.g. 100

**Run**

```
bash-3.2$ curl -H "Content-Type: application/json" -H "Authorization:
Fj2zzzykEa091ic9GK2j8LtE1Hk1Hk1H6oRHPQdw1Pat60i7ndtHHnWzL2b5pqMg14Kk_B9EI59isacLy7-
NarA02n9H-tGgt-SxQ39iDejgcs" -i -X POST -d "{ \"roomId\":
\"Y2geK53sjEknosrc7SwQ5ZGL99pHgiuScB7DfNvUstr8Xx4wDKLiPORcEkryAnM3QmK9LQZsP0G4\"
, \"text\": \"test2\" }" https://api.ciscopark.com/v1/messages

HTTP/1.1 401 Unauthorized
Via: 1.1 linkerD
TrackingID: ROUTER_5E0FDC8C-EB6F-01BB-00EF-806BF1BD00EF
Date: Sat, 04 Jan 2020 00:30:04 GMT
Server: Redacted
Content-Length: 267
Content-Type: application/json
Strict-Transport-Security: max-age=63072000; includeSubDomains; preload

{"message": "The request requires a valid access token set in the Authorization request
header.", "errors": [{"description": "The request requires a valid access token set in the
Authorization request
header."}], "trackingId": "ROUTER_5E0FDC8C-EB6F-01BB-00EF-806BF1BD00EF"}

bash-3.2$
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 2

Refer to the exhibit.

```
curl -X GET -H "Accept: application/json" \
-H "Authorization: Bearer AbCdEf123456" https://localhost/api/myresource
```

A process on the host wants to access the service running inside this Docker container. Which port is used to make a connection?

- A. only outbound connections between 3000 and 5000 are possible
- B. port 3000
- C. any port between 3000 and 5000
- D. port 5000

Answer: B

NEW QUESTION 3

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right. (Not all Options are used)

400	Unauthorized
401	Not Found
403	Bad Request
404	Forbidden

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Grpc == http/2 , netconfig == ssh , restconfig == https

NEW QUESTION 4

Which product provides network controller-level management features?

- A. Cisco DNA Center

- B. Cisco NX-OS
- C. Cisco UCS Manager
- D. Cisco ISE

**Answer:** A

#### NEW QUESTION 5

Refer to the exhibit.

```
$ pyang -f tree Cisco-IOS-XE-native.yang
module: Cisco-IOS-XE-native
  +--rw native
    +--rw logging
      +--rw monitor|
        +--rw severity? logging-level-type

$ curl --insecure -v -X PATCH \
  "https://ios-xe-mgmt-latest.cisco.com:9443/restconf/data/Cisco-IOS-XE-native:native" \
  -H 'Authorization: Basic ZGV2ZWxvcGVyOkMxc2NvMTIzNDU=' -H 'Accept: application/yang-data+json' \
  -H 'Content-Type: application/yang-data+json' \
  -d '{ "Cisco-IOS-XE-native:native" : { "logging" : { "monitor" : { "severity" : "alerts" }} } }'
> ...
< ...
< HTTP/1.1 204 No Content
```

What is represented in this YANG module?

- A. interface management
- B. topology
- C. BGP
- D. OpenFlow

**Answer:** A

#### NEW QUESTION 6

What are two benefit of managing network configuration via APIs? (Choose two.)

- A. configuration on devices becomes less complex
- B. more security due to locking out manual device configuration
- C. increased scalability and consistency of network changes
- D. eliminates the need of legacy management protocols like SNMP
- E. reduction in network changes performed manually

**Answer:** CE

#### NEW QUESTION 7

What is the outcome of executing this command?

```
git clone ssh://john@exmaple.com/path/to/my-project_git
```

- A. Creates a local copy of a repository called "my project"
- B. Creates a copy of a branch called "my project"
- C. Initiates a new Git repository called "my project"
- D. Creates a new branch called "my project"

**Answer:** A

#### NEW QUESTION 8

Which way should be used to safely the API keys?

- A. In an environment variable unique to the system database
- B. Encrypted in a configuration file that is separate from the code
- C. Encrypted in the code in a function
- D. Plain text in the code as a constant

**Answer:** B

#### NEW QUESTION 9

A developer is writing an application that a REST API and the application requires a valid from the API which element of the response is used in the conditional check?

- A. URL
- B. Status code
- C. Link
- D. Body



E. Headers

Answer: B

NEW QUESTION 10

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

gRPC = C, NETCONF = A, RESTCONF = B, D

NEW QUESTION 10

Refer to the exhibit.

```
A. [ {
  "books": {
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  }
} ]

B. {
  "books": [
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

Which python data structure does my\_json contain?

- A. List
- B. Json
- C. Map
- D. Dict

Answer: D

## NEW QUESTION 15

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```

{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}

```

**Response Status Code:** 400 Bad Request

```

{"messages":[{"level":"Error","code":"JSON-PARSE-ERROR","details":"
Unexpected character ('\"' (code 34)):

```

What caused the error in this API request?

- A. The API resource does not support the POST operation
- B. The API resource does not support JSON format payloads.
- C. The submitted JSON payload includes a field that is not supported by the API resource.
- D. The submitted JSON payload has a formatting issue

Answer: D

## NEW QUESTION 17

Refer to the exhibit.

**List the clients that have used this network in the timespan**

**HTTP REQUEST**

**GET** /networks/{networkId}/clients

**PARAMETERS**

**t0**  
The beginning of the timespan for the data. The maximum lookback period is 31 days from today.

**timespan**  
The timespan for which the information will be fetched. If specifying timespan, do not specify parameter t0. The value must be in seconds and be less than or equal to 31 days. The default is 1 day.

**perPage**  
The number of entries per page returned. Acceptable range is 3 - 1000. Default is 10.

**startingAfter**  
A token used by the server to indicate the start of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

**endingBefore**  
A token used by the server to indicate the end of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

**base\_url** = "https://api.meraki.com/api/v0"

```
def process_devices(dnac, token):
    url = "https://{}/api/v1/network-device".format(dnac['host'])
    headers["x-auth-token"] = token
    response = requests.get(url, headers=headers, verify=False)
    data = response.json()
    for item in data['response']:
        print(item["hostname"], " ", item["managementIpAddress"])
```

Drag and drop the code from the left code from the left onto the item number on the right to complete the Meraki code to obtain a list of client which have used this network.

Multi-Cloud automation and orchestration platform for Cisco and third-party servers, networks, storage, and converged infrastructure.	UCS Manager
Software as a Service Platform that enables Cisco infrastructure management, automation and orchestration from anywhere.	UCS Director
Embedded software that enables Cisco server, fabric, and storage provisioning.	Intersight

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 - d, 2 - f, 3 - b, 4 - h, 5 - i, 6 - j, 7 - g, 8 - a, 9 - c, 10 - e

#### NEW QUESTION 18

Which platform has an API that be used to obtain a list of vulnerable software on user devices?

- A. Cisco Umbrella
- B. Cisco Firepower
- C. Cisco Identity Services Engine
- D. Cisco Advanced Malware Protection

**Answer:** D

#### NEW QUESTION 19

When using the Bash shell, how it the output of the devnet command saved to a tile named "output.txt"?

- A. devnet & output.txt
- B. devnet > output.txt
- C. devnet < output.txt
- D. devnet | output.txt

**Answer:** B

#### NEW QUESTION 22

Refer to the exhibit.



FROM ubuntu:12.04	informs Docker that the container listens on the specified network port(s) at runtime
VOLUME ["/var/www", "/var/log/apache2", "/etc/apache2"]	creates a mount point with the specified name
RUN apt-get update && apt-get install -y --force-yes apache2	configures a container that runs as an executable
ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]	must be the first instruction in the Docker file
EXPOSE 1521	

Fill in the blank to complete the query parameter and value so that the result set is returned in reverse chronological order (most recent first) based on when message were entered.

FROM ubuntu:12.04	EXPOSE 1521
VOLUME ["/var/www", "/var/log/apache2", "/etc/apache2"]	VOLUME ["/var/www", "/var/log/apache2", "/etc/apach
RUN apt-get update && apt get install -y --force-yes apache	ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROU
ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]	FROM ubuntu:12.04
EXPOSE 1521	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
?sortBy=lastactivity

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

NEW QUESTION 26

Fill in the blanks to complete the statement.  
Cisco DNA provide the capability to send an HTTP \_\_\_\_\_ request to the API endpoint [https://DNA-c\\_API\\_ADDRESS/api/vi/network-device/](https://DNA-c_API_ADDRESS/api/vi/network-device/) and receive the network \_\_\_\_\_list in \_\_\_\_\_ format.



```

file: fish.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     self._single_request_timeout = value
166

file: cat.py
172
173 @single_request_timeout.setter
174 def single_request_timeout(self, value):
175     """The timeout (seconds) for a single HTTP REST API request."""
176     check_type(value, int, optional=True)
177     if value is not None and value <= 0:
178         raise ValueError("single_request_timeout must be positive integer")
179     self._single_request_timeout = value
180

file: fish.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     assert value is None or value > 0
166     self._single_request_timeout = value
167

file: cat.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     assert value is None or value > 0
166     if value is not None and value <= 0:
167         raise ValueError("single_request_timeout must be positive integer")
168     self._single_request_timeout = value
169

```

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Solution below as

Refer to the exhibit. The output of a unified diff when comparing two versions of a Python script is shown. Which two "single\_request\_timeout()" functions are defined in fish.py and cat.py, where the left column indicates the line numbers of the fish.py and cat.py code listings? (Choose two.)

```

Line      File: cat.py
173 @single_request_timeout.setter
174 def single_request_timeout(self, value):
175     """The timeout (seconds) for a single HTTP REST API request."""
176     check_type(value, int, optional=True)
177     if value is not None and value <= 0:
178         raise ValueError("timeout value must be positive int")
179     self.single_request_timeout = value
180

Line      File: cat.py
160 @single_request_timeout.setter
161 def single_request_timeout(self, value):
162     """The timeout (seconds) for a single HTTP REST API request."""
163     check_type(value, int, optional=True)
164     if value is not None and value <= 0:
165         raise ValueError("timeout value must be positive int")
166     self.single_request_timeout = value
167

Line      File: fish.py
160 @single_request_timeout.setter
161 def single_request_timeout(self, value):
162     """The timeout (seconds) for a single HTTP REST API request."""
163     check_type(value, int, optional=True)
164     self.single_request_timeout = value
165

```

A

B

C

#### NEW QUESTION 29

An automation script fails to connect to an internal server exactly 1 out of 2 times it is executed. This behavior is seen from different clients. Which networking device must be at fault?

- A. Laptop on which the scripted is running  
 B. Router

- C. Switch
- D. Load balancer

**Answer:** D

#### NEW QUESTION 31

Refer to the exhibit.

```
leaf IPPeer {  
  type union {  
    type inet:ipv4-address;  
    type inet:ipv6-address;  
  }  
}
```

Drag and drop the descriptors from the left onto the correct parts of the API request and response on the right.

```
{  
  "IPPeer": "10.1.1.1"  
}  
  
{  
  "IPPeer": "10.1.1.1 2001:db::1"  
}  
  
{  
  "IPPeer": [  
    "10.1.1.1",  
    "2001:db::1"  
  ]  
}  
  
{  
  "IPPeer": [  
    "10.1.1.1"  
  ]  
}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

A – E, B – D, C – B, D – C, E – A, F – F

#### NEW QUESTION 32

What is an example of a network interface hardware address?

- A. domain name
- B. IP address
- C. workstation name
- D. MAC address

**Answer:** D

#### NEW QUESTION 33

Which two types of NAT are used in a network? (Choose two.)

- A. Static NAT

- B. Normal NAT
- C. Multicast NAT
- D. Dynamic NAT
- E. Router NAT

**Answer:** AD

#### NEW QUESTION 36

Which PAI is used to obtain data voicemail ports?

- A. Finesse gadgets
- B. Cisco Unified Communications manager
- C. Webex devices
- D. Webex teams

**Answer:** B

#### NEW QUESTION 40

On which port does NETCONF operate by default?

- A. 23
- B. 443
- C. 822
- D. 830

**Answer:** D

#### NEW QUESTION 45

What are two characteristics of Bare Metal environments that are related to application deployment? (Choose two.)

- A. Provide the hypervisor to host virtual servers
- B. Specifically designed for container-based workloads.
- C. Provides workloads with access to hardware features
- D. Suitable for legacy application that do not support virtualization
- E. Not compatible with other cloud services such as PaaS or SaaS offerings.

**Answer:** CD

#### NEW QUESTION 49

Drag and drop the requests from the left into the correct order on the right to create and check the path trace between two devices using Cisco DNA center API.

HTTP GET /v1/rooms ?sortBy=lastactivity

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

1 – C, 2 – D, 3 – B, 4 - A

#### NEW QUESTION 54

Drag and drop the HTTP methods from the left onto their generally accepted corresponding create, read, update, and delete operations on the right.

```
{  "organization_id": <new_org_id>,\n  "type": "wireless",\n  "timeZone": "America/Los_Angeles",\n  "tags": " test "\n}
```

t. Fill in the blanks to complete the cURL command to list the networks in the Meraki organization with an Id of 384279060:

meraki.com/api/v0/organizations [384279060] /networks  
-X-API-Key: 'smeraki\_api\_key'

- A. Mastered
- B. Not Mastered

**Answer:** A



**Explanation:**

1 – D, 2 – B, 3 – C, 4 – E, 5 – A

**NEW QUESTION 55**

Which two statements describe the advantages of using a version control system? (Choose two.)

- A. It allows for branching and merging so that different tasks are worked on in isolation before they are merged into a feature or master branch.
- B. It allows multiple engineers to work against the same code and configuration files and manage differences and conflicts.
- C. It provides tooling to automate application builds and infrastructure provisioning.
- D. It allows developers to write effective unit tests.
- E. It provides a system to track User Stories and allocate to backlogs.

**Answer:** AB

**NEW QUESTION 58**

Which task is performed because the test-driven development approach is being used?

- A. testing existing software before developing new code
- B. refactoring code that is covered by existing tests
- C. writing code without committing any coding violations
- D. creating test scenarios based on continuous development

**Answer:** B

**NEW QUESTION 60**

Which Cisco DevNet resource allows access to products in a development lab to explore, learn, and build application that use Cisco APLs?

- A. DevNet communities
- B. DevNet code Exchange
- C. DevNet Automation Exchange
- D. DevNet sandbox

**Answer:** D

**NEW QUESTION 64**

Which device is a system that monitors and controls incoming and outgoing network traffic based on predetermined security rules?

- A. Switch
- B. Router
- C. Firewall
- D. Load balancer

**Answer:** C

**NEW QUESTION 69**

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```
{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}
```

**Response Status Code:** 400 Bad Request

```
{
  "messages": [
    {
      "level": "Error",
      "code": "JSON-PARSE-ERROR",
      "details": "Unexpected character (\\" (code 34))"
    }
  ]
}
```

What is the function of the python script?

- A. Count and print the total number of available devices.
- B. Iterate over a list of network devices and write all device names and management IP addresses to an output file.
- C. Iterate over a list of network devices and write all device type and associated management IP address.
- D. For each device that is returned, display the device and, for each device, print the device name and management IP address.
- E. Loop through the returned list of network devices and, for each device, print the device name management IP address.

**Answer:** E

#### NEW QUESTION 72

Drag and drop the element of the Finesse API on the left onto the description of its functionality on the right.

```
module ex-ethernet {
  namespace "http://example.com/Ethernet";
  prefix "eth";
  import ietf-interfaces {
    prefix if;
  }
  augment "/if:interfaces/if:interface" {
    when "if:type = 'ethernetCsmacd'";
    container ethernet {
      must "../if:location" {
        description
          "An Ethernet interface must specify the physical location of the ethernet hardware.";
      }
      choice transmission-params {
        case auto {
          leaf auto-negotiate {
            type empty;
          }
        }
        case manual {
          leaf duplex {
            type enumeration {
              enum "half";
              enum "full";
            }
          }
          leaf speed {
            type enumeration {
              enum "10Mb";
              enum "100Mb";
              enum "1Gb";
              enum "10Gb";
            }
          }
        }
      }
    }
  }
} // other ethernet specific params...
```

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

1 – D, 2 – F, 3 – A, 4 – E, 5 – B, 6 – G, 7 - C

#### NEW QUESTION 73

Which action does the Git command git merge allow the development to perform?

- A. Combine multiple sequence of commits into one unified history.
- B. Push changes to the remote repository
- C. Switch between branches
- D. Create, list, rename, and delete branches

**Answer:** A

#### NEW QUESTION 77

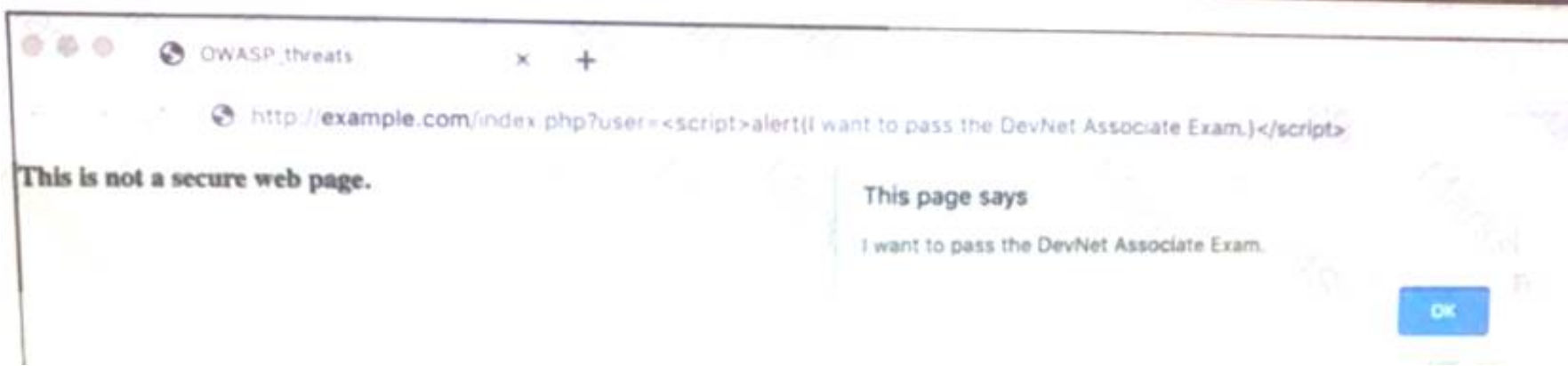
Which model-driven programmability protocol does Cisco IOS XE Software support?

- A. CORBA
- B. SSH
- C. gNMI
- D. SOAP

**Answer:** C

NEW QUESTION 82

Fill in the blanks to complete the cURL command that invokes a RESTful API to retrieve a resource in JSON format using OAuth.



curl -X \_\_\_\_\_ -H "\_\_\_\_\_ : application/json" \
-H "\_\_\_\_\_ : Bearer AbCdEf123456" https://localhost/api/myresource

- A. Mastered
- B. Not Mastered

Answer: A

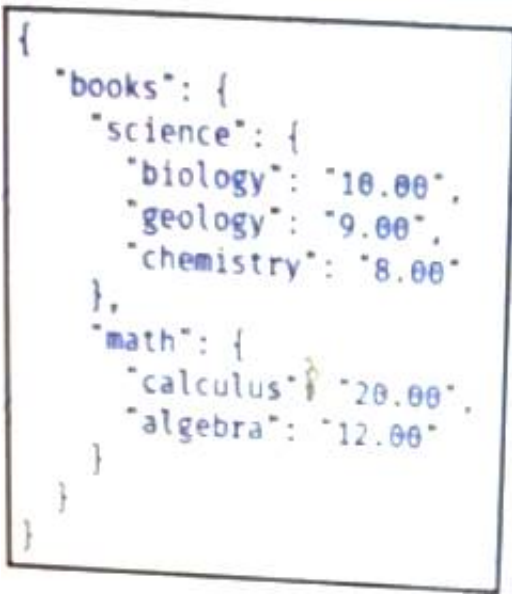
Explanation:

See the solution below.

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

NEW QUESTION 86

Drag and drop the descriptions from the left onto correct application deployment models on the right.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – B, 2 – E, 3 – C, 4 – D, 5 – A

NEW QUESTION 91

Refer to the exhibit.



```
{
  "books": [
    "science", {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math", {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

Drag and drop the variables from the left onto the item numbers on the right that match the missing assignments in the exhibit.

```
{
  "books": [
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
1 – A, 2 – C, 3 – B

NEW QUESTION 95

Which two descriptions can be given to an application that is interacting with a webhook? (Choose two.)

- A. Processor
- B. Codec
- C. Listener
- D. Receiver
- E. Transaction monitor

Answer: CD

NEW QUESTION 100

Refer to the exhibit.

GET /api/v1/flow-analysis/{flowAnalysisId}	Step 1
POST /api/v1/flow-analysis	Step 2
POST /api/system/v1/auth/token	Step 3
GET /api/v1/network-device/ and choose IP of source and destination devices	Step 4

The python interpreter and the Cisco python SDK are available by default in the Cisco NX-OS software. The SDK documentation shows how the cild() API can be

used when working with working with JSON and XML. What are two effect of running the script? (Choose two.)

- A. configure interlace loopback 5
- B. issue shutdown on interface loopback 5
- C. show only the interfaces In the up status
- D. show only the interfaces in admin shut status
- E. show details for the TABLE interface

**Answer:** AC

#### NEW QUESTION 104

What is the benefit of edge computing?

- A. It reduces ne two« k latency by moving processing doser to the data source.
- B. It simplifies security as devices and processing are brought doser together
- C. It removes the need for centralized data processing.
- D. It reduces data velocity from devices or other data sources.

**Answer:** A

#### NEW QUESTION 106

Which two statements about JSON and XML are true? (Choose two.)

- A. JSON objects arc collection of key value paire.
- B. The syntax of JSON contains tags, elements, and attributes.
- C. JSON arrays are an unordered set of key value pairs.
- D. The syntax of XML contains tags, elements, and attributes.
- E. XML objects are collections of key-value pairs.

**Answer:** AD

#### NEW QUESTION 108

Which two statements describe the traits of an asynchronous API call? (Choose two.)

- A. The order in which API calls return can be guaranteed
- B. A call to an API does not block the code, but rather it allows application processing to continue
- C. The end user can experience latency or performance lag while waiting for the API call to return
- D. Code execution blocks or waits for the call to an API to return.
- E. A callback function typically is used to process the response from an API call

**Answer:** BE

#### NEW QUESTION 111

Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

- A. Cross-site scripting
- B. Sensitive data exposure
- C. Broken authentication
- D. Injection

**Answer:** D

#### NEW QUESTION 115

A company has written a script that creates a log bundle from the Cisco DNA Center every day. The script runs without error and the bundles are produced. However, when the script is run during business hours, report poor voice quality of phones calls. What explains this behavior?

- A. The application is running in the Voice VLAN and causes delays and jitter in the subnet.
- B. The speed and duplex settings in Cisco DNA Center are sot incorrectly, which causes the transfer to be too slow.
- C. 9 The script is written in a low-level programming language where there is no memory safet
- D. This causes a buffer overflow and disruption on the network.
- E. Generating the logs causes the CPU on the network controller to spike, which causes delays m forwarding the voice IP packets.

**Answer:** D

#### NEW QUESTION 118

Which statement describes the benefit of using functions in programming?

- A. Functions allow problems to be split into simpler, smaller groups, and reduce code repetition, which makes the code easier to read.
- B. Functions ensure that a developer understands the inner logic contained before using them as part of a script or application.
- C. Functions create the implementation of secret and encrypted algorithms.
- D. Functions store mutable values within a script 01 application.

**Answer:** A

#### NEW QUESTION 120

Drag and drop the Docker file instructions from the onto correct descriptions on the right. Not all options are used.

User	Represents a skill group in Unified CCE.
Dialog	Represents the current state of the system.
Media	Represents an agent, supervisor or administrator.
Queue	Represents a group of users.
Team	Represents a call and the participants if the media type is voice.
SystemInfo	Sends client-side logging to the Finesse Server.
ClientLogs	Represents a user's state in a non-voice Media Routing Domain.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – E, 2 – B, 3 – D, 4 – A

NEW QUESTION 123

Refer to the exhibit.

git push

git add .

git checkout -b "new branch"

git commit -m "this is my edit"

git pull

Git command one

Git command two

Git command three

The definition of the YANG module and a RESTCONF query sent to a Cisco Ioc XE device is shown. Which statement is correct if the RESTCONF interface responds with a 204 status code?

- A. The query failed at retrieving the logging seventy level.
- B. The query failed to set the logging seventy level due to an invalid path.
- C. The query retrieved the logging seventy level.
- D. The query updated the logging seventy level or created it if not present on the device.

Answer: D

NEW QUESTION 128

Refer to the exhibit.

git push

git add .

git checkout -b "new branch"

git commit -m "this is my edit"

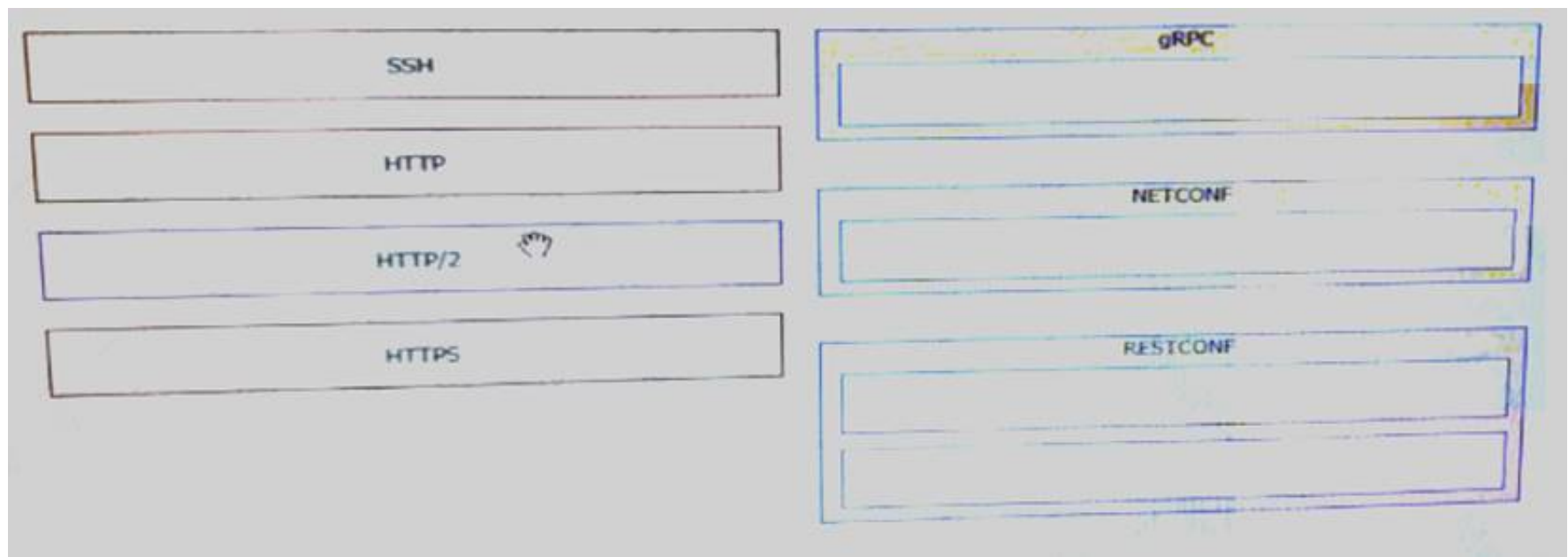
git pull

git add .

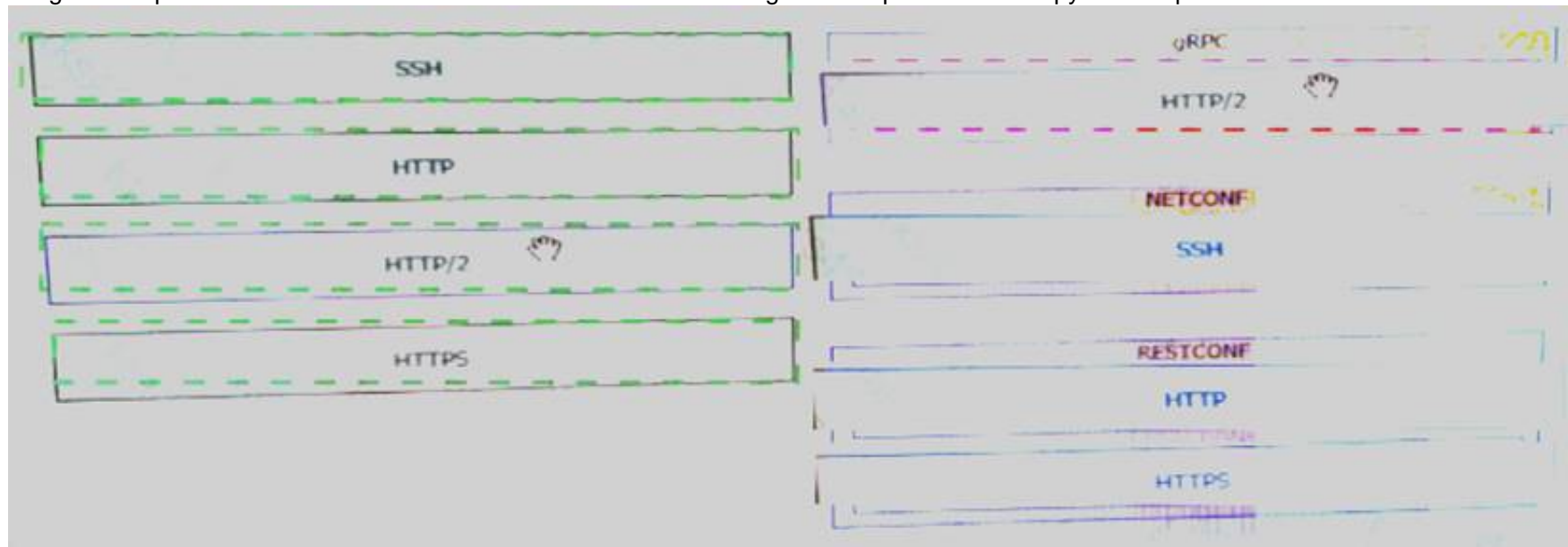
git commit -m "this is my edit"

git push





Drag and drop the code from the left onto the item numbers on the right to complete to Meraki python script shown in the exhibit.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – D, 2 – A, 3 – H, 4 – F, 5 – G, 6 – E, 7 – C, 8 – B

NEW QUESTION 133

Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Way are local updates failing?

- A. The update utility is trying to use a proxy to access the internal resource.
- B. The Internet connection is too slow.
- C. The Internet is down at the moment, which causes the local server to not be able to respond.
- D. The server is running out of disk space.

Answer: A

NEW QUESTION 136

.....

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## NEW QUESTION 1

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```
{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}
```

**Response Status Code:** 400 Bad Request

```
{
  "messages": [
    {
      "level": "Error",
      "code": "JSON-PARSE-ERROR",
      "details": "Unexpected character ('\"' (code 34)):"
    }
  ]
}
```

Which JSON is equivalent to the XML –encoded data?

### List Messages

Lists all messages in a room. Each message will include content attachments if present.

The list sorts the messages in descending order by creation date.

Long result sets will be split into [pages](#).

**GET** /v1/messages

### Query Parameters

**roomId**  
string **Required**  
List messages in a room, by ID.

**mentionedPeople**  
array  
List messages with these people mentioned, by ID.  
Use me as a shorthand for the current API user.

**before**  
string  
List messages sent before a date and time.

**beforeMessage**  
string  
List messages sent before a message, by ID.

**max**  
number  
Limit the maximum number of messages in the response.  
Default: **50**

**Try it** **Example**

**GET** /v1/messages(?roomId,mentionedPeople,before,beforeMessage)

### Header

Authorization ☒ Use personal access token

**Bearer** .....

*This limited-duration personal access token is hidden for your security.*

### Query Parameters

**roomId**  
**Required**  
e.g. Y2lzY29zcGFyazovL3VzL1JPT00vYmJj

**mentionedPeople**  
e.g. Y2lzY29zcGFyazovL3VzL1BFT1BMRS6

**before**  
e.g. 2016-04-2Tfj:9:01:55:966Z

**beforeMessage**  
e.g. Y2lzY29zcGFyazovL3VzL1FU1NBROL

**max**  
e.g. 100

**Run**



```
bash-3.2$ curl -H "Content-Type: application/json" -H "Authorization:
Fj2zzzykEa091ic9GK2j8LtE1Hk1Hk1H6oRHPQdw1Pat60i7ndtHHnWzL2b5pqMg14Kk_B9EI59isacLy7-
NarA02n9H-tGgt-SxQ39iDejgcs" -i -X POST -d "{ \"roomId\":
\"Y2geK53sjEknosrc7SwQ5ZGL99pHgiuScB7DfNvU8Xx4wDKLiPORcEkryAnM3QmK9LQZsP0G4\"
, \"text\": \"test2\" }" https://api.ciscopark.com/v1/messages

HTTP/1.1 401 Unauthorized
Via: 1.1 linker
TrackingID: ROUTER_5E0FDC8C-EB6F-01BB-00EF-806BF1BD00EF
Date: Sat, 04 Jan 2020 00:30:04 GMT
Server: Redacted
Content-Length: 267
Content-Type: application/json
Strict-Transport-Security: max-age=63072000; includeSubDomains; preload

{"message": "The request requires a valid access token set in the Authorization request
header.", "errors": [{"description": "The request requires a valid access token set in the
Authorization request
header."}], "trackingId": "ROUTER_5E0FDC8C-EB6F-01BB-00EF-806BF1BD00EF"}

bash-3.2$
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

### NEW QUESTION 2

Refer to the exhibit.

```
curl -X GET [ ] -H "Accept [ ]: application/json" \
-H "Authorization: Bearer AbCdEf123456" https://localhost/api/myresource
```

A process on the host wants to access the service running inside this Docker container. Which port is used to make a connection?

- A. only outbound connections between 3000 and 5000 are possible
- B. port 3000
- C. any port between 3000 and 5000
- D. port 5000

Answer: B

### NEW QUESTION 3

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right. (Not all Options are used)

400	Unauthorized
401	Not Found
403	Bad Request
404	Forbidden

- A. Mastered
- B. Not Mastered

Answer: A

### Explanation:

Grpc == http/2 , netconfig == ssh , restconfig == https

### NEW QUESTION 4

Which product provides network controller-level management features?

- A. Cisco DNA Center

- B. Cisco NX-OS
- C. Cisco UCS Manager
- D. Cisco ISE

**Answer:** A

#### NEW QUESTION 5

Refer to the exhibit.

```
$ pyang -f tree Cisco-IOS-XE-native.yang
module: Cisco-IOS-XE-native
  +--rw native
    +--rw logging
      +--rw monitor|
        +--rw severity? logging-level-type

$ curl --insecure -v -X PATCH \
  "https://ios-xe-mgmt-latest.cisco.com:9443/restconf/data/Cisco-IOS-XE-native:native" \
  -H 'Authorization: Basic ZGV2ZWxvcGVyOkMxc2NvMTIzNDU=' -H 'Accept: application/yang-data+json' \
  -H 'Content-Type: application/yang-data+json' \
  -d '{ "Cisco-IOS-XE-native:native" : { "logging" : { "monitor" : { "severity" : "alerts" }} } }'
> ...
< ...
< HTTP/1.1 204 No Content
```

What is represented in this YANG module?

- A. interface management
- B. topology
- C. BGP
- D. OpenFlow

**Answer:** A

#### NEW QUESTION 6

What are two benefit of managing network configuration via APIs? (Choose two.)

- A. configuration on devices becomes less complex
- B. more security due to locking out manual device configuration
- C. increased scalability and consistency of network changes
- D. eliminates the need of legacy management protocols like SNMP
- E. reduction in network changes performed manually

**Answer:** CE

#### NEW QUESTION 7

What is the outcome of executing this command?

```
git clone ssh://john@exmaple.com/path/to/my-project_git
```

- A. Creates a local copy of a repository called "my project"
- B. Creates a copy of a branch called "my project"
- C. Initiates a new Git repository called "my project"
- D. Creates a new branch called "my project"

**Answer:** A

#### NEW QUESTION 8

Which way should be used to safely the API keys?

- A. In an environment variable unique to the system database
- B. Encrypted in a configuration file that is separate from the code
- C. Encrypted in the code in a function
- D. Plain text in the code as a constant

**Answer:** B

#### NEW QUESTION 9

A developer is writing an application that a REST API and the application requires a valid from the API which element of the response is used in the conditional check?

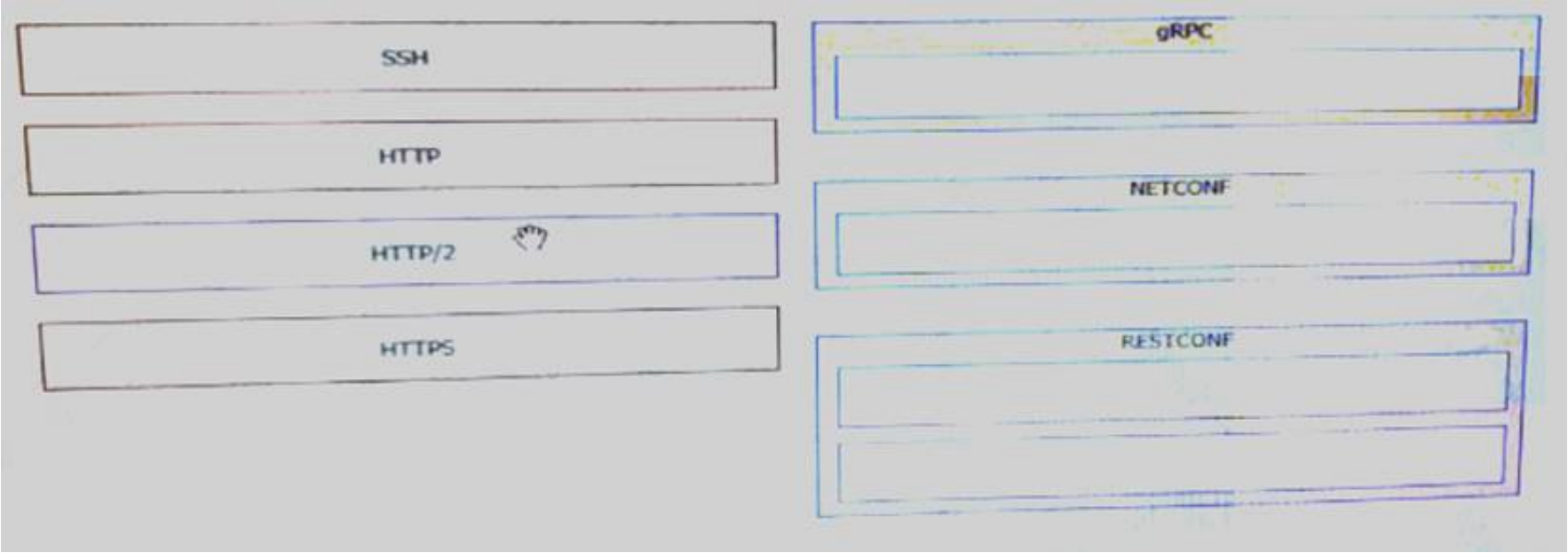
- A. URL
- B. Status code
- C. Link
- D. Body

E. Headers

Answer: B

NEW QUESTION 10

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

gRPC = C, NETCONF = A, RESTCONF = B, D

NEW QUESTION 10

Refer to the exhibit.

```
A. [ {
  "books": {
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  }
} ]

B. {
  "books": [
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

Which python data structure does my\_json contain?

- A. List
- B. Json
- C. Map
- D. Dict

Answer: D



# NEW QUESTION 15

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```

{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}

```

**Response Status Code:** 400 Bad Request

```

{"messages":[{"level":"Error","code":"JSON-PARSE-ERROR","details":"
Unexpected character ('\"' (code 34)):"

```

What caused the error in this API request?

- A. The API resource does not support the POST operation
- B. The API resource does not support JSON format payloads.
- C. The submitted JSON payload includes a field that is not supported by the API resource.
- D. The submitted JSON payload has a formatting issue

Answer: D

# NEW QUESTION 17

Refer to the exhibit.

**List the clients that have used this network in the timespan**

**HTTP REQUEST**

**GET** /networks/{networkId}/clients

**PARAMETERS**

**t0**  
The beginning of the timespan for the data. The maximum lookback period is 31 days from today.

**timespan**  
The timespan for which the information will be fetched. If specifying timespan, do not specify parameter t0. The value must be in seconds and be less than or equal to 31 days. The default is 1 day.

**perPage**  
The number of entries per page returned. Acceptable range is 3 - 1000. Default is 10.

**startingAfter**  
A token used by the server to indicate the start of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

**endingBefore**  
A token used by the server to indicate the end of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

**base\_url** = "https://api.meraki.com/api/v0"

```
def process_devices(dnac, token):
    url = "https://{}/api/v1/network-device".format(dnac['host'])
    headers["x-auth-token"] = token
    response = requests.get(url, headers=headers, verify=False)
    data = response.json()
    for item in data['response']:
        print(item["hostname"], " ", item["managementIpAddress"])
```

Drag and drop the code from the left code from the left onto the item number on the right to complete the Meraki code to obtain a list of client which have used this network.

Multi-Cloud automation and orchestration platform for Cisco and third-party servers, networks, storage, and converged infrastructure.	UCS Manager
Software as a Service Platform that enables Cisco infrastructure management, automation and orchestration from anywhere.	UCS Director
Embedded software that enables Cisco server, fabric, and storage provisioning.	Intersight

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 - d, 2 - f, 3 - b, 4 - h, 5 - i, 6 - j, 7 - g, 8 - a, 9 - c, 10 - e

#### NEW QUESTION 18

Which platform has an API that be used to obtain a list of vulnerable software on user devices?

- A. Cisco Umbrella
- B. Cisco Firepower
- C. Cisco Identity Services Engine
- D. Cisco Advanced Malware Protection

**Answer:** D

#### NEW QUESTION 19

When using the Bash shell, how it the output of the devnet command saved to a tile named "output.txt"?

- A. devnet & output.txt
- B. devnet > output.txt
- C. devnet < output.txt
- D. devnet | output.txt

**Answer:** B

#### NEW QUESTION 22

Refer to the exhibit.



FROM ubuntu:12.04	informs Docker that the container listens on the specified network port(s) at runtime
VOLUME ["/var/www", "/var/log/apache2", "/etc/apache2"]	creates a mount point with the specified name
RUN apt-get update && apt-get install -y --force-yes apache2	configures a container that runs as an executable
ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]	must be the first instruction in the Docker file
EXPOSE 1521	

Fill in the blank to complete the query parameter and value so that the result set is returned in reverse chronological order (most recent first) based on when message were entered.

FROM ubuntu:12.04	EXPOSE 1521
VOLUME ["/var/www", "/var/log/apache2", "/etc/apache2"]	VOLUME ["/var/www", "/var/log/apache2", "/etc/apach
RUN apt-get update && apt get install -y --force-yes apache	ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROU
ENTRYPOINT ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]	FROM ubuntu:12.04
EXPOSE 1521	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
?sortBy=lastactivity

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

NEW QUESTION 26

Fill in the blanks to complete the statement.  
Cisco DNA provide the capability to send an HTTP \_\_\_\_\_ request to the API endpoint [https://DNA-c\\_API\\_ADDRESS/api/vi/network-device/](https://DNA-c_API_ADDRESS/api/vi/network-device/) and receive the network \_\_\_\_\_list in \_\_\_\_\_ format.



```

file: fish.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     self._single_request_timeout = value
166

file: cat.py
172
173 @single_request_timeout.setter
174 def single_request_timeout(self, value):
175     """The timeout (seconds) for a single HTTP REST API request."""
176     check_type(value, int, optional=True)
177     if value is not None and value <= 0:
178         raise ValueError("single_request_timeout must be positive integer")
179     self._single_request_timeout = value
180

file: fish.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     assert value is None or value > 0
166     self._single_request_timeout = value
167

file: cat.py
160
161 @single_request_timeout.setter
162 def single_request_timeout(self, value):
163     """The timeout (seconds) for a single HTTP REST API request."""
164     check_type(value, int, optional=True)
165     assert value is None or value > 0
166     if value is not None and value <= 0:
167         raise ValueError("single_request_timeout must be positive integer")
168     self._single_request_timeout = value
169

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution below as

Refer to the exhibit. The output of a unified diff when comparing two versions of a Python script is shown. Which two "single\_request\_timeout()" functions are defined in fish.py and cat.py, where the left column indicates the line numbers of the fish.py and cat.py code listings? (Choose two.)

```

Line      File: cat.py
173 @single_request_timeout.setter
174 def single_request_timeout(self, value):
175     """The timeout (seconds) for a single HTTP REST API request."""
176     check_type(value, int, optional=True)
177     if value is not None and value <= 0:
178         raise ValueError("timeout value must be positive int")
179     self.single_request_timeout = value
180

Line      File: cat.py
160 @single_request_timeout.setter
161 def single_request_timeout(self, value):
162     """The timeout (seconds) for a single HTTP REST API request."""
163     check_type(value, int, optional=True)
164     if value is not None and value <= 0:
165         raise ValueError("timeout value must be positive int")
166     self.single_request_timeout = value
167

Line      File: fish.py
160 @single_request_timeout.setter
161 def single_request_timeout(self, value):
162     """The timeout (seconds) for a single HTTP REST API request."""
163     check_type(value, int, optional=True)
164     self.single_request_timeout = value
165

```

A

B

C

#### NEW QUESTION 29

An automation script fails to connect to an internal server exactly 1 out of 2 times it is executed. This behavior is seen from different clients. Which networking device must be at fault?

- A. Laptop on which the scripted is running
- B. Router

- C. Switch
- D. Load balancer

**Answer:** D

#### NEW QUESTION 31

Refer to the exhibit.

```
leaf IPPeer {  
  type union {  
    type inet:ipv4-address;  
    type inet:ipv6-address;  
  }  
}
```

Drag and drop the descriptors from the left onto the correct parts of the API request and response on the right.

☒ {  
 "IPPeer": "10.1.1.1"  
}

☐ {  
 "IPPeer": "10.1.1.1 2001:db::1"  
}

☒ {  
 "IPPeer": [  
 "10.1.1.1",  
 "2001:db::1"  
 ]  
}

☐ {  
 "IPPeer": [  
 "10.1.1.1"  
 ]  
}

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

A – E, B – D, C – B, D – C, E – A, F – F

#### NEW QUESTION 32

What is an example of a network interface hardware address?

- A. domain name
- B. IP address
- C. workstation name
- D. MAC address

**Answer:** D

#### NEW QUESTION 33

Which two types of NAT are used in a network? (Choose two.)

- A. Static NAT

- B. Normal NAT
- C. Multicast NAT
- D. Dynamic NAT
- E. Router NAT

**Answer:** AD

#### NEW QUESTION 36

Which PAI is used to obtain data voicemail ports?

- A. Finesse gadgets
- B. Cisco Unified Communications manager
- C. Webex devices
- D. Webex teams

**Answer:** B

#### NEW QUESTION 40

On which port does NETCONF operate by default?

- A. 23
- B. 443
- C. 822
- D. 830

**Answer:** D

#### NEW QUESTION 45

What are two characteristics of Bare Metal environments that are related to application deployment? (Choose two.)

- A. Provide the hypervisor to host virtual servers
- B. Specifically designed for container-based workloads.
- C. Provides workloads with access to hardware features
- D. Suitable for legacy application that do not support virtualization
- E. Not compatible with other cloud services such as PaaS or SaaS offerings.

**Answer:** CD

#### NEW QUESTION 49

Drag and drop the requests from the left into the correct order on the right to create and check the path trace between two devices using Cisco DNA center API.

HTTP GET /v1/rooms ?sortBy=lastactivity

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

1 – C, 2 – D, 3 – B, 4 - A

#### NEW QUESTION 54

Drag and drop the HTTP methods from the left onto their generally accepted corresponding create, read, update, and delete operations on the right.

```
{
  "organization_id": <new_org_id>,
  "type": "wireless",
  "timeZone": "America/Los_Angeles",
  "tags": " test "
}
```

t. Fill in the blanks to complete the cURL command to list the networks in the Meraki organization with an Id of 384279060:

meraki.com/api/v0/organizations [384279060] /networks  
-X-API-Key: 'Smeraki\_api\_key'

- A. Mastered
- B. Not Mastered

**Answer:** A



**Explanation:**

1 – D, 2 – B, 3 – C, 4 – E, 5 – A

**NEW QUESTION 55**

Which two statements describe the advantages of using a version control system? (Choose two.)

- A. It allows for branching and merging so that different tasks are worked on in isolation before they are merged into a feature or master branch.
- B. It allows multiple engineers to work against the same code and configuration files and manage differences and conflicts.
- C. It provides tooling to automate application builds and infrastructure provisioning.
- D. It allows developers to write effective unit tests.
- E. It provides a system to track User Stories and allocate to backlogs.

**Answer:** AB

**NEW QUESTION 58**

Which task is performed because the test-driven development approach is being used?

- A. testing existing software before developing new code
- B. refactoring code that is covered by existing tests
- C. writing code without committing any coding violations
- D. creating test scenarios based on continuous development

**Answer:** B

**NEW QUESTION 60**

Which Cisco DevNet resource allows access to products in a development lab to explore, learn, and build application that use Cisco APLs?

- A. DevNet communities
- B. DevNet code Exchange
- C. DevNet Automation Exchange
- D. DevNet sandbox

**Answer:** D

**NEW QUESTION 64**

Which device is a system that monitors and controls incoming and outgoing network traffic based on predetermined security rules?

- A. Switch
- B. Router
- C. Firewall
- D. Load balancer

**Answer:** C

**NEW QUESTION 69**

Refer to the exhibit.

**URL:** https://<ASA\_IP>/api/access/global/rules

**Method:** POST

**Payload:**

```
{
  "destinationAddress": {
    "kind": "IPv4Address",
    "value": "10.1.1.1"
  },
  "remarks": [ ],
  "active": true
  "permit": true,
  "sourceAddress": {
    "kind": "IPv4Address",
    "value": "192.168.1.1"
  }
}
```

**Response Status Code:** 400 Bad Request

```
{
  "messages": [
    {
      "level": "Error",
      "code": "JSON-PARSE-ERROR",
      "details": "Unexpected character (\\" (code 34))"
    }
  ]
}
```

What is the function of the python script?

- A. Count and print the total number of available devices.
- B. Iterate over a list of network devices and write all device names and management IP addresses to an output file.
- C. Iterate over a list of network devices and write all device type and associated management IP address.
- D. For each device that is returned, display the device and, for each device, print the device name and management IP address.
- E. Loop through the returned list of network devices and, for each device, print the device name management IP address.

**Answer:** E

#### NEW QUESTION 72

Drag and drop the element of the Finesse API on the left onto the description of its functionality on the right.

```
module ex-ethernet {
  namespace "http://example.com/Ethernet";
  prefix "eth";
  import ietf-interfaces {
    prefix if;
  }
  augment "/if:interfaces/if:interface" {
    when "if:type = 'ethernetCsmacd'";
    container ethernet {
      must "../if:location" {
        description
          "An Ethernet interface must specify the physical location of the ethernet hardware.";
      }
      choice transmission-params {
        case auto {
          leaf auto-negotiate {
            type empty;
          }
        }
        case manual {
          leaf duplex {
            type enumeration {
              enum "half";
              enum "full";
            }
          }
          leaf speed {
            type enumeration {
              enum "10Mb";
              enum "100Mb";
              enum "1Gb";
              enum "10Gb";
            }
          }
        }
      }
    }
  }
} // other ethernet specific params...
```

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

1 – D, 2 – F, 3 – A, 4 – E, 5 – B, 6 – G, 7 - C

#### NEW QUESTION 73

Which action does the Git command git merge allow the development to perform?

- A. Combine multiple sequence of commits into one unified history.
- B. Push changes to the remote repository
- C. Switch between branches
- D. Create, list, rename, and delete branches

**Answer:** A

#### NEW QUESTION 77

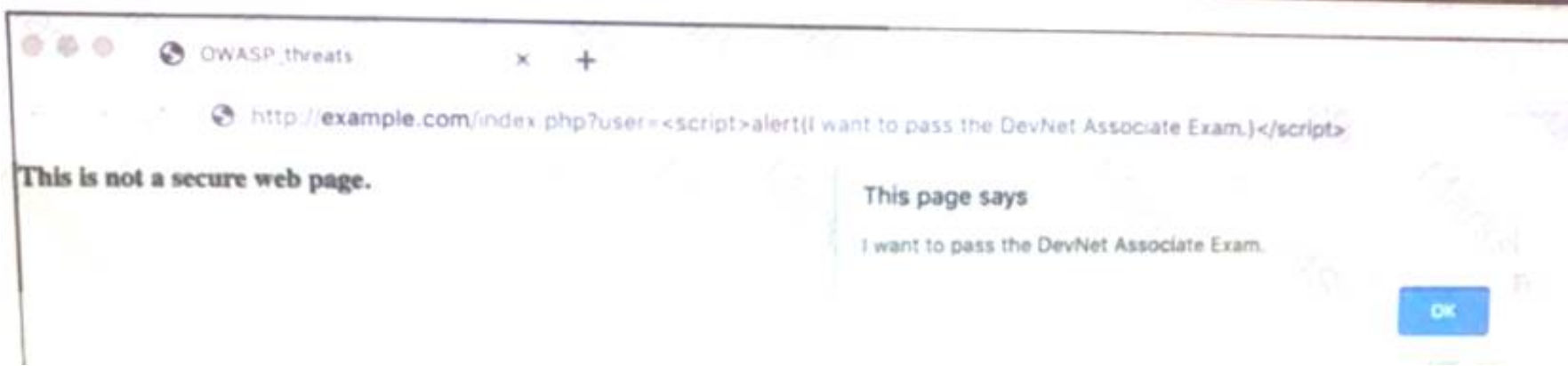
Which model-driven programmability protocol does Cisco IOS XE Software support?

- A. CORBA
- B. SSH
- C. gNMI
- D. SOAP

**Answer:** C

NEW QUESTION 82

Fill in the blanks to complete the cURL command that invokes a RESTful API to retrieve a resource in JSON format using OAuth.



curl -X \_\_\_\_\_ -H "\_\_\_\_\_ : application/json" \
-H "\_\_\_\_\_ : Bearer AbCdEf123456" https://localhost/api/myresource

- A. Mastered
- B. Not Mastered

Answer: A

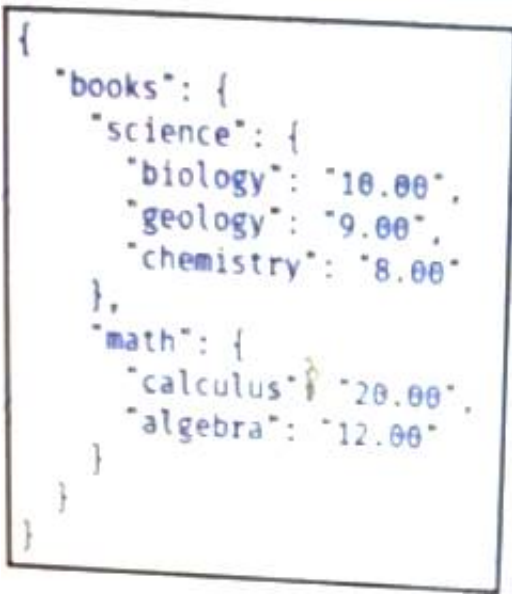
Explanation:

See the solution below.

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

NEW QUESTION 86

Drag and drop the descriptions from the left onto correct application deployment models on the right.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – B, 2 – E, 3 – C, 4 – D, 5 – A

NEW QUESTION 91

Refer to the exhibit.

```
{
  "books": [
    "science", {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math", {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

Drag and drop the variables from the left onto the item numbers on the right that match the missing assignments in the exhibit.

```
{
  "books": [
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  ]
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
1 – A, 2 – C, 3 – B

NEW QUESTION 95

Which two descriptions can be given to an application that is interacting with a webhook? (Choose two.)

- A. Processor
- B. Codec
- C. Listener
- D. Receiver
- E. Transaction monitor

Answer: CD

NEW QUESTION 100

Refer to the exhibit.

GET /api/v1/flow-analysis/{flowAnalysisId}	Step 1
POST /api/v1/flow-analysis	Step 2
POST /api/system/v1/auth/token	Step 3
GET /api/v1/network-device/ and choose IP of source and destination devices	Step 4

The python interpreter and the Cisco python SDK are available by default in the Cisco NX-OS software. The SDK documentation shows how the cild() API can be



used when working with working with JSON and XML. What are two effect of running the script? (Choose two.)

- A. configure interlace loopback 5
- B. issue shutdown on interface loopback 5
- C. show only the interfaces In the up status
- D. show only the interfaces in admin shut status
- E. show details for the TABLE interface

**Answer:** AC

#### NEW QUESTION 104

What is the benefit of edge computing?

- A. It reduces ne two« k latency by moving processing doser to the data source.
- B. It simplifies security as devices and processing are brought doser together
- C. It removes the need for centralized data processing.
- D. It reduces data velocity from devices or other data sources.

**Answer:** A

#### NEW QUESTION 106

Which two statements about JSON and XML are true? (Choose two.)

- A. JSON objects arc collection of key value paire.
- B. The syntax of JSON contains tags, elements, and attributes.
- C. JSON arrays are an unordered set of key value pairs.
- D. The syntax of XML contains tags, elements, and attributes.
- E. XML objects are collections of key-value pairs.

**Answer:** AD

#### NEW QUESTION 108

Which two statements describe the traits of an asynchronous API call? (Choose two.)

- A. The order in which API calls return can be guaranteed
- B. A call to an API does not block the code, but rather it allows application processing to continue
- C. The end user can experience latency or performance lag while waiting for the API call to return
- D. Code execution blocks or waits for the call to an API to return.
- E. A callback function typically is used to process the response from an API call

**Answer:** BE

#### NEW QUESTION 111

Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

- A. Cross-site scripting
- B. Sensitive data exposure
- C. Broken authentication
- D. Injection

**Answer:** D

#### NEW QUESTION 115

A company has written a script that creates a log bundle from the Cisco DNA Center every day. The script runs without error and the bundles are produced. However, when the script is run during business hours, report poor voice quality of phones calls. What explains this behavior?

- A. The application is running in the Voice VLAN and causes delays and jitter in the subnet.
- B. The speed and duplex settings in Cisco DNA Center are sot incorrectly, which causes the transfer to be too slow.
- C. 9 The script is written in a low-level programming language where there is no memory safet
- D. This causes a buffer overflow and disruption on the network.
- E. Generating the logs causes the CPU on the network controller to spike, which causes delays m forwarding the voice IP packets.

**Answer:** D

#### NEW QUESTION 118

Which statement describes the benefit of using functions in programming?

- A. Functions allow problems to be split into simpler, smaller groups, and reduce code repetition, which makes the code easier to read.
- B. Functions ensure that a developer understands the inner logic contained before using them as part of a script or application.
- C. Functions create the implementation of secret and encrypted algorithms.
- D. Functions store mutable values within a script 01 application.

**Answer:** A

#### NEW QUESTION 120

Drag and drop the Docker file instructions from the onto correct descriptions on the right. Not all options are used.

User	Represents a skill group in Unified CCE.
Dialog	Represents the current state of the system.
Media	Represents an agent, supervisor or administrator.
Queue	Represents a group of users.
Team	Represents a call and the participants if the media type is voice.
SystemInfo	Sends client-side logging to the Finesse Server.
ClientLogs	Represents a user's state in a non-voice Media Routing Domain.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – E, 2 – B, 3 – D, 4 – A

NEW QUESTION 123

Refer to the exhibit.

git push

git add .

git checkout -b "new branch"

git commit -m "this is my edit"

git pull

Git command one

Git command two

Git command three

The definition of the YANG module and a RESTCONF query sent to a Cisco Ioc XE device is shown. Which statement is correct if the RESTCONF interface responds with a 204 status code?

- A. The query failed at retrieving the logging seventy level.
- B. The query failed to set the logging seventy level due to an invalid path.
- C. The query retrieved the logging seventy level.
- D. The query updated the logging seventy level or created it if not present on the device.

Answer: D

NEW QUESTION 128

Refer to the exhibit.

git push

git add .

git checkout -b "new branch"

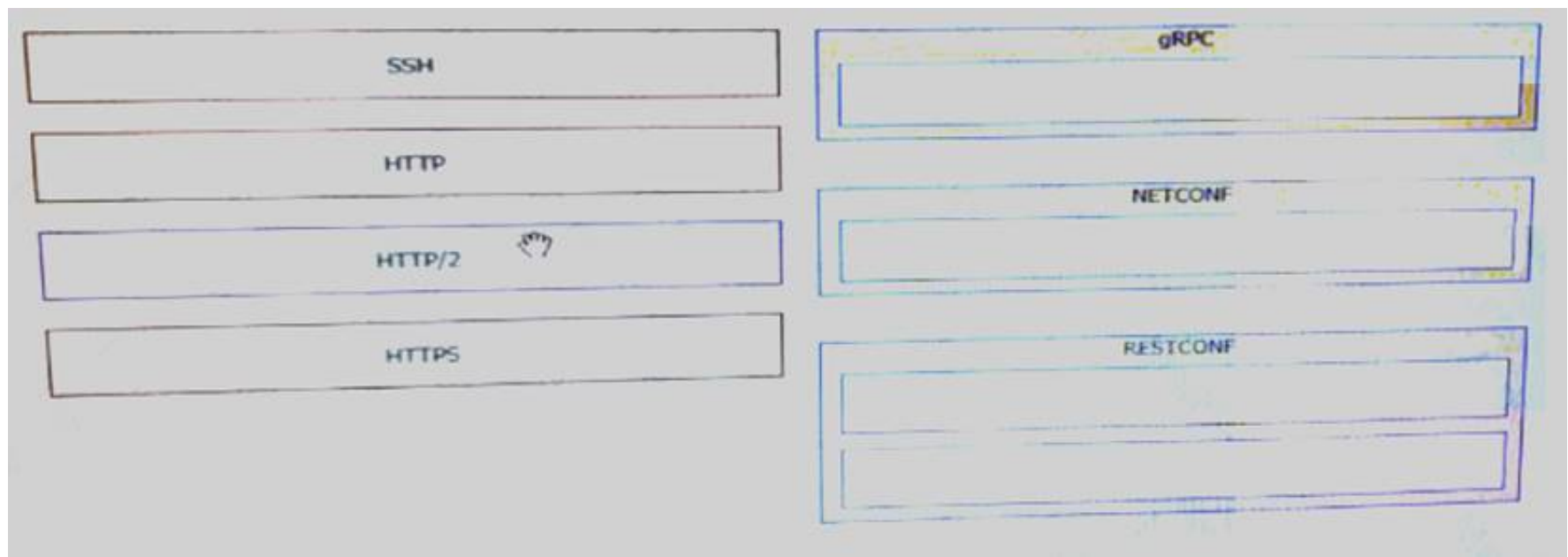
git commit -m "this is my edit"

git pull

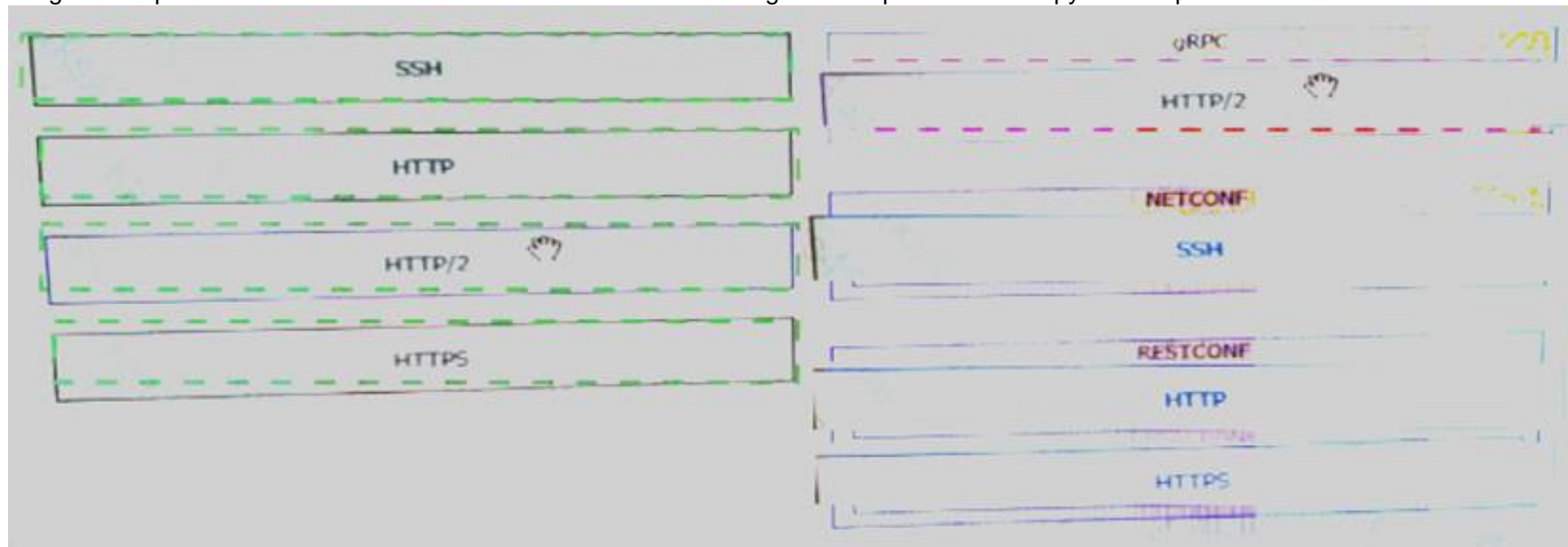
git add .

git commit -m "this is my edit"

git push



Drag and drop the code from the left onto the item numbers on the right to complete to Meraki python script shown in the exhibit.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – D, 2 – A, 3 – H, 4 – F, 5 – G, 6 – E, 7 – C, 8 – B

NEW QUESTION 133

Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Way are local updates failing?

- A. The update utility is trying to use a proxy to access the internal resource.
- B. The Internet connection is too slow.
- C. The Internet is down at the moment, which causes the local server to not be able to respond.
- D. The server is running out of disk space.

Answer: A

NEW QUESTION 136

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