



**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:

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**

**mentionedPeople**

**before**

**beforeMessage**

**max**

```
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**

In python, which expression checks whether the script returns a success status code when the Requests library is used?

- A. response.status\_code == requests.ok
- B. respons.status\_code == requests.codes.ok
- C. response.code == requests.codes.ok
- D. response.status\_code != requests.codes.ok

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**

Refer to the exhibit.

DELETE	Create
GET	Read
PATCH	Update
POST	Update
PUT	Delete

A REST API return this JSON output for a GET HTTP request, Which has assigned to a variable called "vegetables" Using python, which output is the result of this command?

DELETE	POST
GET	GET
PATCH	PATCH
POST	PUT
PUT	DELETE

- A. Lettuce
- B. Kiwi
- C. ['kiwi', 'grape']
- D. {'color': 'green', 'items': ['kiwi', 'grape']}

Answer: B

**NEW QUESTION 5**

Refer to the exhibit.

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

Which two statement describe the configuration of the Ansible script is run? (Choose two.)

- A. Traffic on port 0/2 and 0/3 is connected to port 0/6.
- B. Traffic from ports 0/2 to 0/5 can flow on port 0/1 due to the trunk.
- C. Traffic can flow between ports 0/2 to 0/5 due to the trunk on port 0/1.
- D. GigabitEthernet0/2 and GigabitEthernet0/3 are access ports for VLAN 6.
- E. GiabitEthernet0/1 is left unconfigured.

Answer: BD

**NEW QUESTION 6**

When a Cisco IOS XE networking device is configured using RESTCONF, what is the default data-encoding method?

- A. XML
- B. x-form-encoding
- C. YANG
- D. YAML

Answer: A

**NEW QUESTION 7**

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 8**

Which two NETCONF operations cover the RESTCONF GET operation? (Choose two.)

- A. <get>
- B. <edit>
- C. <get-update>
- D. <modify-config>
- E. <get-config>

**Answer: AE**

**NEW QUESTION 9**

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 10**

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

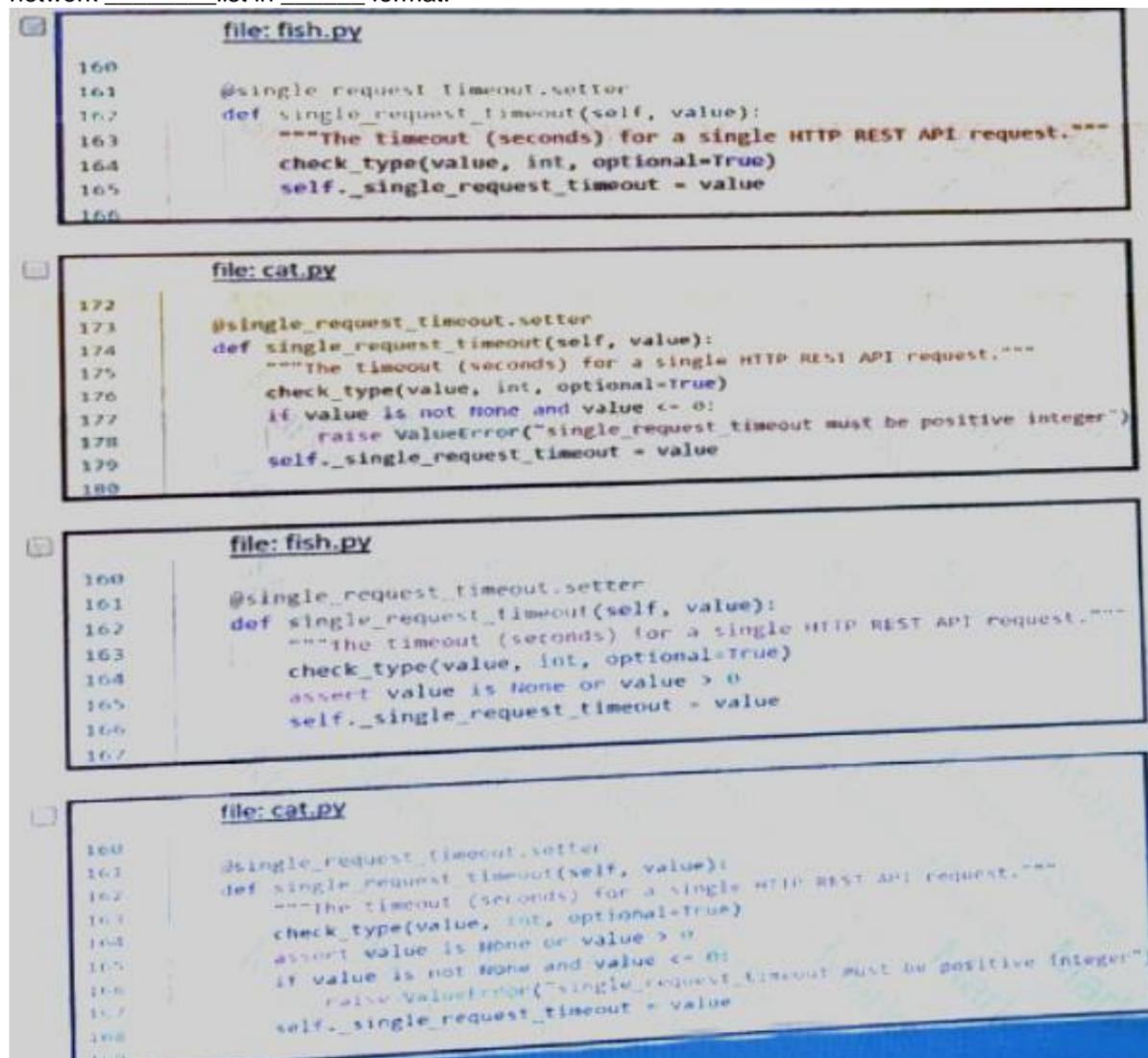
- A. devnet & output.txt
- B. devnet > output.txt
- C. devnet < output.txt
- D. devnet | output.txt

**Answer: B**

**NEW QUESTION 10**

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.



- 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
142  @single_request_timeout.setter
143  def single_request_timeout(self, value):
144      #The timeout (seconds) for a single HTTP REST API request.
145  check_type(value, int, optional=True)
146  if value is not None and value <= 0:
147      raise ValueError("timeout value must be positive int")
148  self.single_request_timeout = value
149

Line      File: fish.py
124  @single_request_timeout.setter
125  def single_request_timeout(self, value):
126      #The timeout (seconds) for a single HTTP REST API request.
127  check_type(value, int, optional=True)
128  self.single_request_timeout = value
129
  
```

**NEW QUESTION 13**

Which action resolves a 401 error in response to an HTTP GET that is issued to retrieve statement using RESTCONF on a CSR 1000V?

- A. Change the HTTP method to PUT.
- B. Change the transport protocol to HTTPS.
- C. Check the MIMF types in the HTTP headers.
- D. Check the authentication credentials.

Answer: D

**NEW QUESTION 14**

Which CI/CD tool is an automation tool used to build, test, and deploy software?

- A. Nagios
- B. Gradle
- C. Jenkins
- D. Git

Answer: C

**NEW QUESTION 16**

Which type of HTTP method is used by the Meraki nad webex teams APIs to send webhook notifications?

- A. HTTP GET
- B. HTTP PUT
- C. HTTP HEAD
- D. HTTP POST

Answer: D

**NEW QUESTION 18**

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 23**

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 28**

Which line is an example of the start of a chunk from a unified diff?

- A. @@ -90,88 +20191008T1349@@
- B. @@ -20191007T1200 +88,90 @@
- C. @@ -20191007T1200 +20191008T1349@@
- D. @@ -88,10 +88,6 @@

Answer: D

**NEW QUESTION 33**

A developer is reviewing a code that was written by a colleague. It runs fine, but there are many lines of code to do a seemingly simple task repeatedly. Which action organizes the code?

- A. Refactor the code by removing any unnecessary tests
- B. Using functions, rewrite any pieces of code that are repeated
- C. Reverse engineer and rewrite the code logic
- D. Modify the code to use loops

**Answer: B**

**NEW QUESTION 34**

On which port does NETCONF operate by default?

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

**Answer: D**

**NEW QUESTION 35**

Before which process is code review performed when version control is used?

- A. committing code
- B. branching code
- C. merge of code
- D. checkout of code

**Answer: C**

**NEW QUESTION 37**

Drag and drop elements of the RESTCONF protocol stack from the left onto the correct description on the right. Not all elements on the left are used.

```
List the networks in a Meraki organization:

GET https://api.meraki.com/api/v0/organizations/<org_id>/networks
Response code: 200
Response body: [ {
  "id": <network_id>,
  "name": "Test Network",
  "organization_id": <new_org_id>,
  "type": "wireless",
  "timeZone": "America/Los_Angeles",
  "tags": " test "
```

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

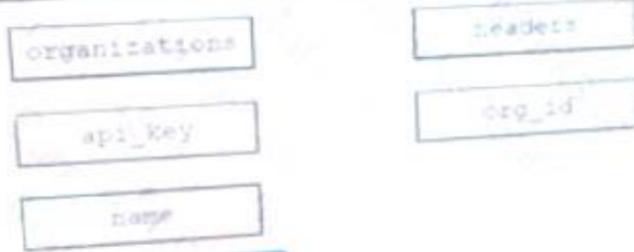
1 - B, 2 - E, 3 - F

**NEW QUESTION 42**

Drag and drop the functionalities from the left onto correct networking devices on the right.

```

base_url = "https://api.meraki.com/api/v0"
org_id = "123456789"
api_key = "1098hadpfaiapsf8ahf8ohp"
network_name = "New Network"
requests.post(
    base_url + "/" + [ ] + "/" + [ ] + "/networks",
    [ ] = {
        "X-Cisco-Meraki-API-Key": [ ],
        "Content-Type": "application/json"
    },
    data=json.dumps({
        [ ]: network_name,
        "type": "wireless switch"
    })
)
    
```



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

1 - D, 2 - C, 3 - A, 4 - B

**NEW QUESTION 46**

Refer to the exhibit.

ports are different broadcast domain by default	Firewall
ports can be in the same broadcast domain	Load Balancer
uses traffic inspection to make routing decisions	Router
blocks networks traffic by default	Switch

An administrator attempts to perform a GET using the Cisco IOS XE RESTCONF API to return the hostname of a device. The sequence diagram illustrated the HTTP message observed. Which change to the API request resolves the issue?

- A. Add Content-Type HTTP header with 'application/yang-data+json' using -H 'Content-Type: application/yang-data+json'.
- B. Use -u cisco: cisco instead of -u 'cisco: cisco'.
- C. Change the request method from -X "GET" to -X "POST".
- D. Remove the -H 'Accept: application/yang-data+json' HTTP header because it is not required.

Answer: B

**NEW QUESTION 49**

Refer to the exhibit.

blocks networks traffic by default
uses traffic inspection to make routing decisions
ports are different broadcast domain by default
ports can be in the same broadcast domain

Given the API documentation for the UCS SDK python class, UcsHandle, which code snippet creates a handle instance?

```

---
- hosts: switch2960cx
  gather_facts: no

  tasks:
    - ios_l2_interface:
      name: GigabitEthernet0/1
      state: unconfigured

    - ios_l2_interface:
      name: GigabitEthernet0/1
      mode: trunk
      native_vlan: 1
      trunk_allowed_vlans: 6-8
      state: present

    - ios_vlan:
      vlan_id: 6
      name: guest-vlan
      interfaces:
        - GigabitEthernet0/2
        - GigabitEthernet0/3

    - ios_vlan:
      vlan_id: 7
      name: corporate-vlan
      interfaces:
        - GigabitEthernet0/4

    - ios_vlan:
      vlan_id: 8
      name: iot-vlan
      interfaces:
        - GigabitEthernet0/5

```

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

**Answer:** B

**NEW QUESTION 51**

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 54**

What is the purpose of a MAC address?

- A. To uniquely identify a router in a LAN
- B. To uniquely identify a network interface in a LAN
- C. To uniquely identify a device on the internet
- D. To uniquely identify a switch in a LAN

**Answer:** B

**NEW QUESTION 58**

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 63**

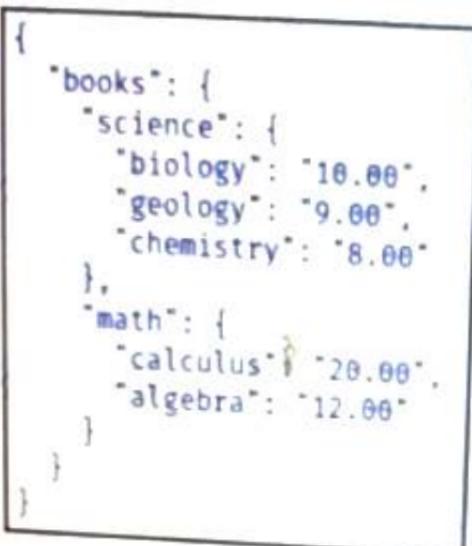
Which model-driven programmability protocol does Cisco IOS XE Software support?

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

**Answer:** C

**NEW QUESTION 67**

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



```

{
  "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 – B, 2 – E, 3 – C, 4 – D, 5 – A

**NEW QUESTION 72**

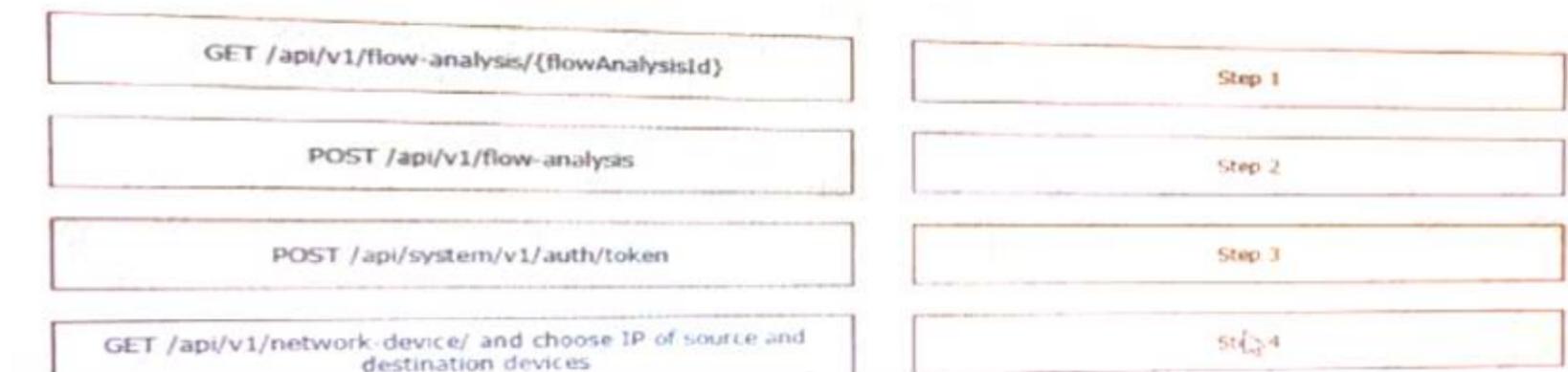
Which two encoding formats do YANG interfaces support?

- A. JSON
- B. XML
- C. XHTML
- D. Plain text
- E. BER

**Answer:** AB

**NEW QUESTION 75**

Refer to the exhibit.



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 76**

Which platform is run directly using a hypervisor?

- A. Virtual
- B. Bare metal systems
- C. Containers
- D. Applications

**Answer:** C

**NEW QUESTION 80**

On which network plane is routing protocol traffic handled?

- A. data plane
- B. management plane
- C. authentication plane
- D. control plane

**Answer:** D

**NEW QUESTION 82**

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 84**

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 87**

Drag and Drop the Bash commands from the left onto the correct actions on the right.

Response Headers	Request Headers
HTTP Request	Request Payload
HTTP Response	HTTP Request
Request Payload	HTTP Response
Request Headers	Response Headers
Response Payload	Response Payload

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

**NEW QUESTION 91**

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 95**

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 97**

Which two elements are foundational principles of DevOps? (Choose two.)

- A. designing applications as microservices
- B. encouraging containers for the deployment of applications
- C. organizing cross-functional teams over organizational silos
- D. optimizing the cost of infrastructures
- E. automating over documenting

**Answer:** CE

**NEW QUESTION 98**

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.

The output of a unified diff when comparing two versions of a python script is shown. Which two “single\_request \_ timeout ()”

```
base_url = https://api.meraki.com/api/v0"
network_id = "L_12345678910"
api_key = "1098hadpfsiapsf8ahf8ohp"
requests.<item 1> (
    <item 2> + "/<item 3>/" + /<item 4>, "/<item 5>",
    headers = {
        "X-Cisco-Meraki-API-Key": "<item 6>",
        "Content-Type": "<item 7>"
    },
    <item 8>={"<item 9>":/<item 10>}}
```

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

Answer: BC

**NEW QUESTION 101**

Fill in the blanks to complete the python script to retrieve a list of network devices using the Cisco DNA center API.

params	<item 1>
networks	<item 2>
timespan	<item 3>
get	<item 4>
432000	<item 5>
base_url	<item 6>
application/json	<item 7>
network_id	<item 8>
clients	<item 9>
api_key	<item 10>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

params	get
networks	base_url
timespan	networks
get	network_id
432000	clients
base_url	api_key
application/json	application/json
network_id	params
clients	timespan
api_key	432000

NEW QUESTION 104

.....

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