

Exam Questions 200-901

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

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NEW QUESTION 1

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 2

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 3

Drag and drop the network component names from the left onto the correct descriptions on the right. Not all options are used.

```
#!/bin/bash
BACKUPTIME = `date +%b-%d-%y`
DESTINATION = /home/usr/path/backup-$BACKUPTIME.tar.gz
SOURCEFOLDER = /home/usr/path/data_folder
tar -cpzf $DESTINATION $SOURCEFOLDER
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – A, 2 – B, 3 – D, 4 – C

NEW QUESTION 4

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 5

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 6

Refer to the exhibit.

```
{
  "items": [{
    "kind": "object#NetworkObj",
    "selfLink": "https://10.201.230.5/api/objects/networkobjects/db01",
    "name": "db01",
    "host": {
      "kind": "IPv4address",
      "value": "172.16.0.11"
    },
    "objectId": "db01"
  }
]
```

What is the action of the Bash script that is shown?

- A. The script waits until input is entered
- B. If the directory exists, the script goes into it until there is no directory with the same name, then it creates a new directory.
- C. The script goes into the directory called "\$ndir" and makes a new directory called "\$ndir"
- D. The script waits until input is entered, then it goes into the directory entered and creates a new directory with the same name.
- E. For all directories in the current folder
- F. The script goes into directory and makes a new directory.

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 is an advantage of using network programmability?

- A. It removes CLI access for devices.
- B. It provides for more scalable and replicable network provisioning.
- C. Manual configuration is faster.
- D. No cloud abstraction occurs.

Answer: B

NEW QUESTION 9

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 10

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 10

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 14

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 18

Refer to the exhibit.

List Rooms
 List rooms.
 The `title` of the room for 1:1 rooms will be the display name of the other person.
 By default, lists rooms to which the authenticated user belongs.
 Long result sets will be split into [pages](#).

GET `/v1/rooms`

Query Parameters

| Name | Description |
|-------------------------------|--|
| <code>teamId</code> string | List rooms associated with a team, by ID. |
| <code>type</code> string | List rooms by type. <i>Possible values: direct, group</i> |
| <code>sortBy</code> string | Sort results. <i>Possible values: id, lastactivity, created</i> |
| <code>max</code> number | Limit the maximum number of rooms in the response. Default: 100 |

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

```
HTTP GET /v1/rooms
```

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

Answer: B

NEW QUESTION 19

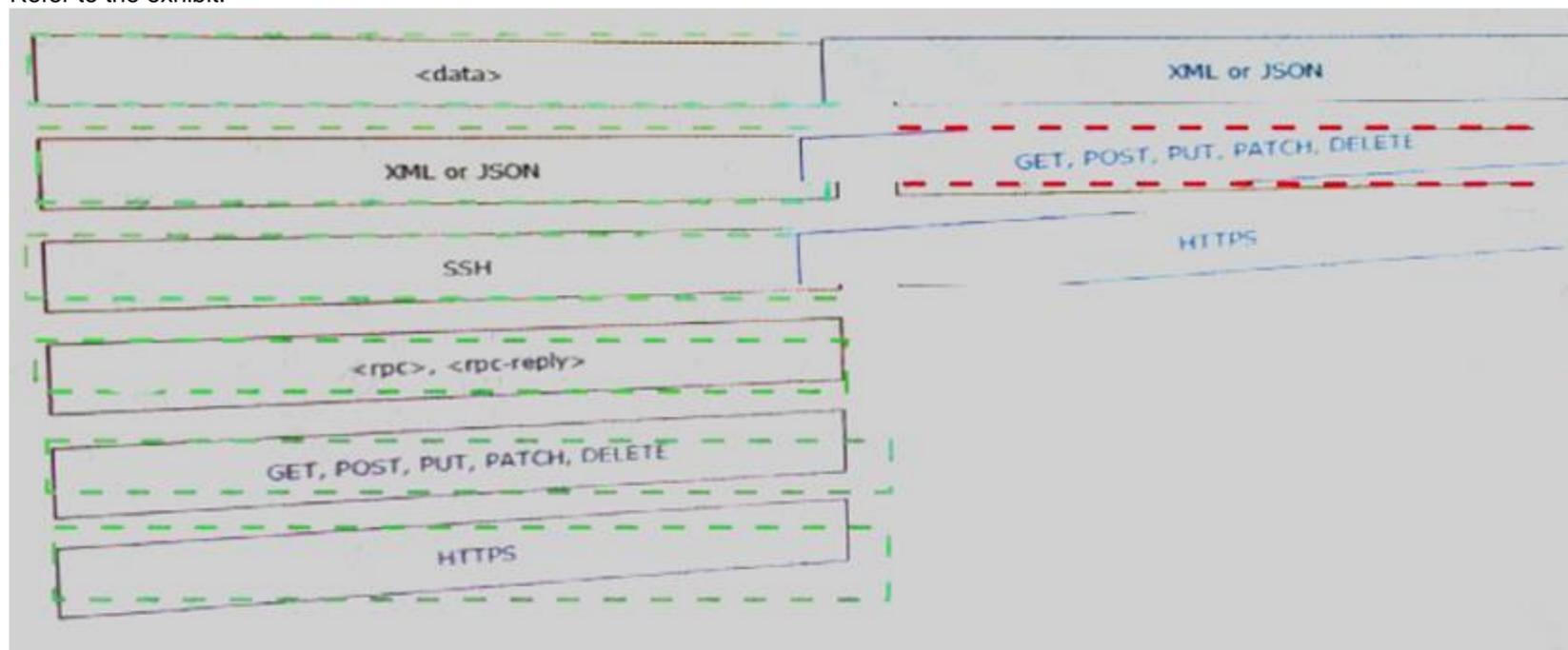
On which port does NETCONF operate by default?

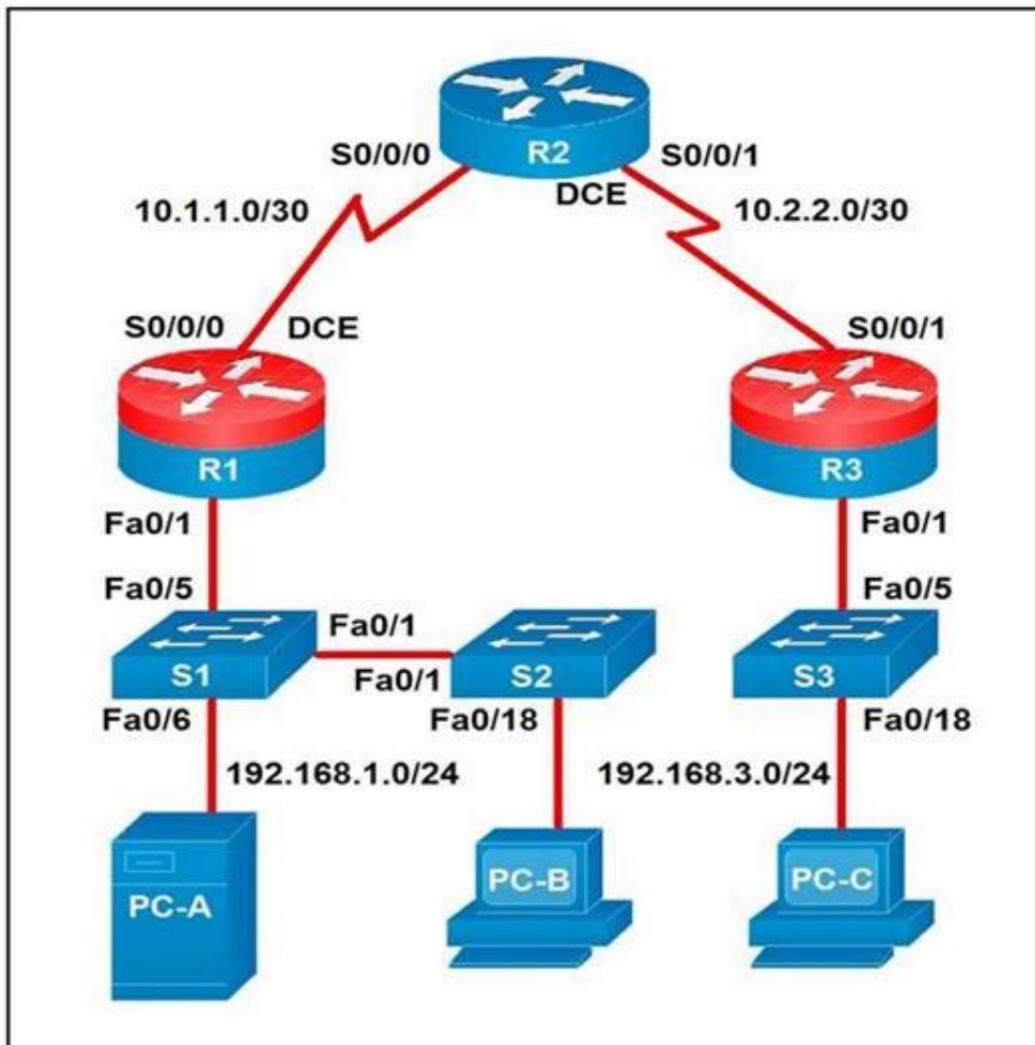
- A. 23
- B. 443
- C. 822
- D. 830

Answer: D

NEW QUESTION 23

Refer to the exhibit.





A developer is troubleshooting an API with the given API with the given API documentation and cURL command. What is the cause of this problem?

- A. The user is not allowed to post messages from their account
- B. The request body is missing or incomplete
- C. The API token specified is expired
- D. The authorization header is missing or incomplete

Answer: C

NEW QUESTION 28

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^/son' HTTP header because it is not required.

Answer: B

NEW QUESTION 31

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 34

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 36

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 38

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 43

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)):"
```

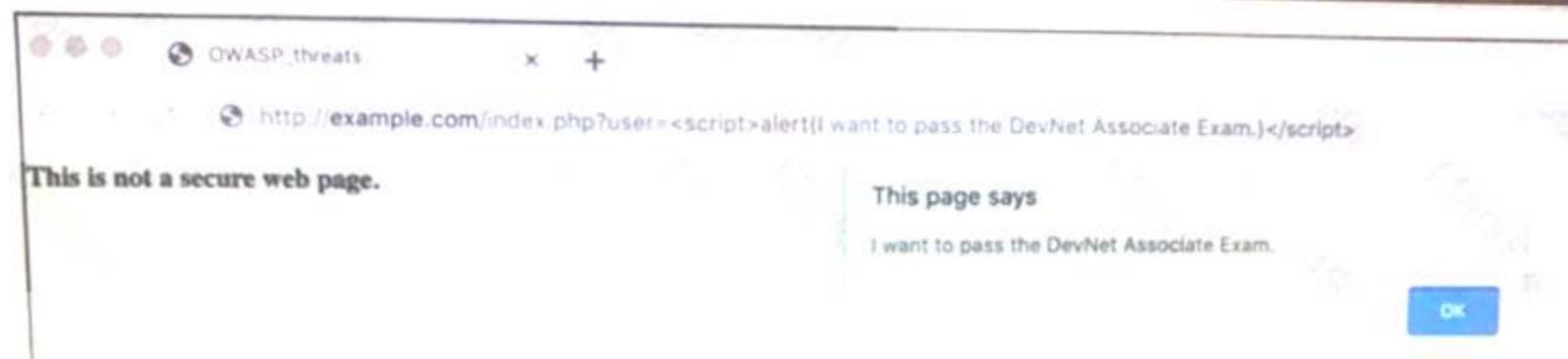
What is the function of the python script?

- 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 47

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 48

Which mechanism is used to consume a RESTful API design when large amounts of data are returned?

- A. Data sets
- B. Scrolling
- C. Blobs
- D. Pagination

Answer: D

NEW QUESTION 52

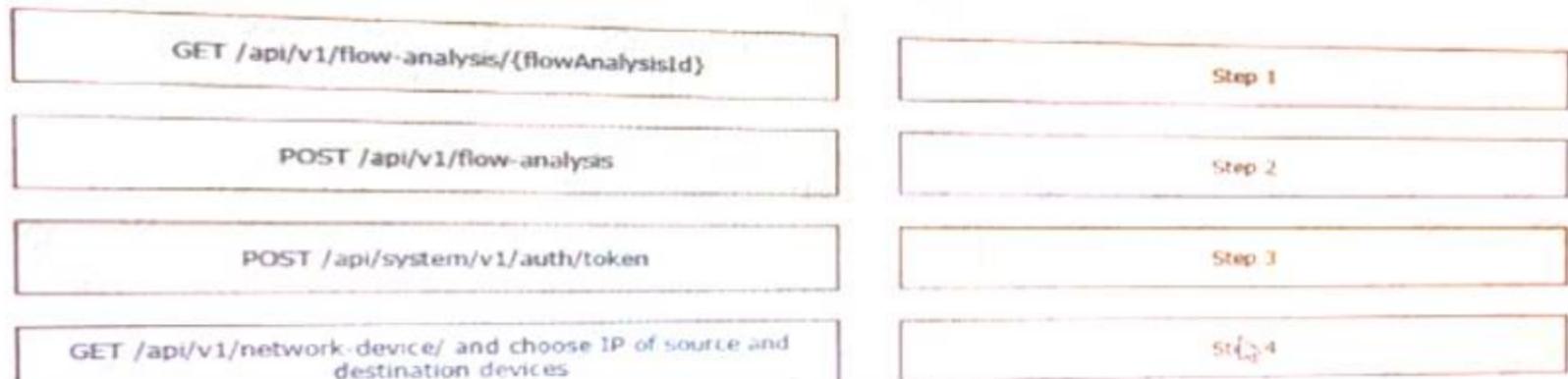
Which two descriptions can be given to an application that is interacting with a webhook? (Choose two.)

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

Answer: CD

NEW QUESTION 54

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 58

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 61

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 63

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 67

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

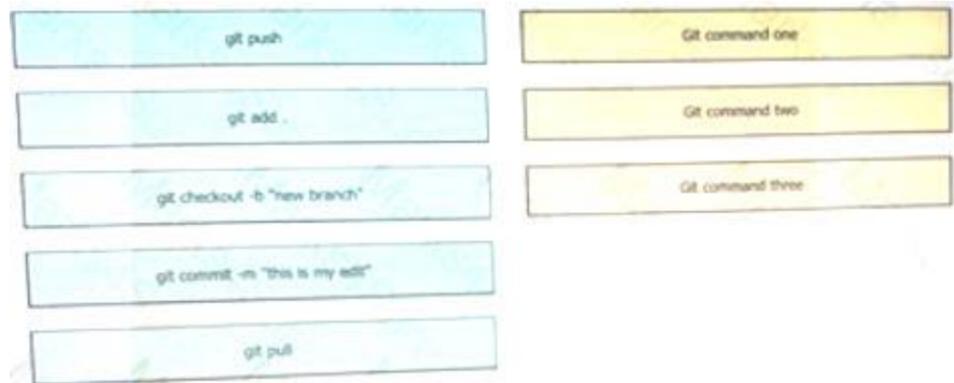
Answer: A

Explanation:

1 – E, 2 – B, 3 – D, 4 – A

NEW QUESTION 70

Refer to the exhibit.



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 73

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 76

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