

## 200-901 Dumps

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

<https://www.certleader.com/200-901-dumps.html>



**NEW QUESTION 1**

Refer to the exhibit.

```
def get_result()

    url = "https://sandboxdnac.cisco.com/dna/system/api/v1/auth/token"

    resp = requests.post(url, auth=HTTPBasicAuth(DNAC_USER, DNAC_PASSWORD))

    result = resp.json()['Token']

    return result
```

What does the python function do?

- A. It returns DNAC user and password.
- B. It returns HTTP Basic Authentication.
- C. It returns an authorization token.
- D. It reads a token from a local JSON file and posts the token to the DNAC URL.

**Answer:** C

**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)



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 4**

Which two use cases are supported by Meraki APIs? (Choose two.)

- A. Retrieve live streams from a Meraki Camera.
- B. Build a custom Captive Portal for Mobile Apps.
- C. Configure network devices via the Dashboard API.
- D. Build location-aware apps from Wi-Fi and LoRaWAN devices.
- E. Deploy applications onto the devices.

**Answer:** BC

**NEW QUESTION 5**

Fill in the blanks to complete the python script to request a service ticket using the APIC-EM rest API for the user “devnetuser”.

```
import requests
import json
controller = 'devnetapi.cisco.com/sandbox/apic_em'
url = "https://" + controller + "/api/va/ticket"
payload = { 'username': '[REDACTED]', 'password': '371274739' }
header = { 'Content-type': 'application/json' }
response = [REDACTED] post(url, data=json.dumps(payload), \
headers=[REDACTED], verify=False)
r_json = response.json()
print(r_json)
ticket = r_json["response"]["serviceTicket"]
print(ticket)
```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Solution as below

```
import requests
import json
controller = 'devnetapi.cisco.com/sandbox/apic_em'
url = "https://" + controller + "/api/va/ticket"
payload = { 'username': 'devnetuser', 'password': '371387657' }
header = { 'Content-type': 'application/json' }
response = requests.post(url, data=json.dumps(payload), \
headers=header, verify=False)
r_json = response.json()
print(r_json)
ticket = r_json["response"]["serviceTicket"]
print(ticket)
```

## NEW QUESTION 6

Refer to the exhibit.

```
---
- hosts: switch2960cx
  gather_facts: no

  tasks:
    - ios_12_interface:
      name: GigabitEthernet0/1
      state: unconfigured

    - ios_12_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: tot-vlan
      interfaces:
        - GigabitEthernet0/5
```

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 7

Refer to the exhibit.

```
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...  
}
```

What is represented in this YANG module?

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

**Answer:** A

#### NEW QUESTION 8

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 9

Which two items are Cisco DevNet resources? (Choose two.)

- A. TAC support
- B. Bitbucket
- C. Sandbox
- D. Software research
- E. API Documentation

**Answer:** CE

#### NEW QUESTION 10

Refer to the exhibit.

```
#!/bin/bash  
read ndir  
while [ -d "$ndir" ]  
do  
  cd $ndir  
done  
mkdir $ndir
```

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 10

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 12

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 17

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 20

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 MIME types in the HTTP headers.
- D. Check the authentication credentials.

**Answer:** D

#### NEW QUESTION 24

Refer to the exhibit.

```
1  ---
2  - hosts: [{ router }]
3    gather_facts: true
4    connection: local
5
6  tasks:
7    - ios_command
8      commands:
9        - show run
10       provider: "{{ router_credentials }}"
11       register: config
12
13   - copy:
14     content: "{{ config.stdout[0] }}"
15     dest: "etc/ansible/configs/command_{{ router_hostname }}.txt
16   ...
```

What is the effect of this Ansible playbook on an IOS router?

- A. A new running configuration is pushed to the IOS router.
- B. The current running configuration of the IOS router is backed up.
- C. The start-up configuration of the IOS router is copied to a local folder.
- D. A new start-up configuration is copied to the IOS router.

**Answer:** B

#### NEW QUESTION 25

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 30

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 32

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 resources.
- D. The submitted JSON payload has a formatting issue.

**Answer:** D

#### NEW QUESTION 35

Which two statements are true about Cisco UCS manager, Cisco Intersight APIs? (Choose two.)

- A. Cisco Intersight API interactions can be encoded in XML or JSON and require an APIs key in the HTTP header for authentication.
- B. USC Director API interactions can be XML- or JSON-encoded and require an APLs key in the HTTP header for authentication.
- C. UCS manager API interactions are XML-encoded and require a cookie in the method for authentication.
- D. Cisco Intersight uses XML to encoded API interactions and requires an API key pair for authentication.
- E. UCS manager uses JSON to encode API interactions and utilizes Base64-encoded credentials in the HTTP header for authentication.

**Answer:** BC

#### NEW QUESTION 36

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 38

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

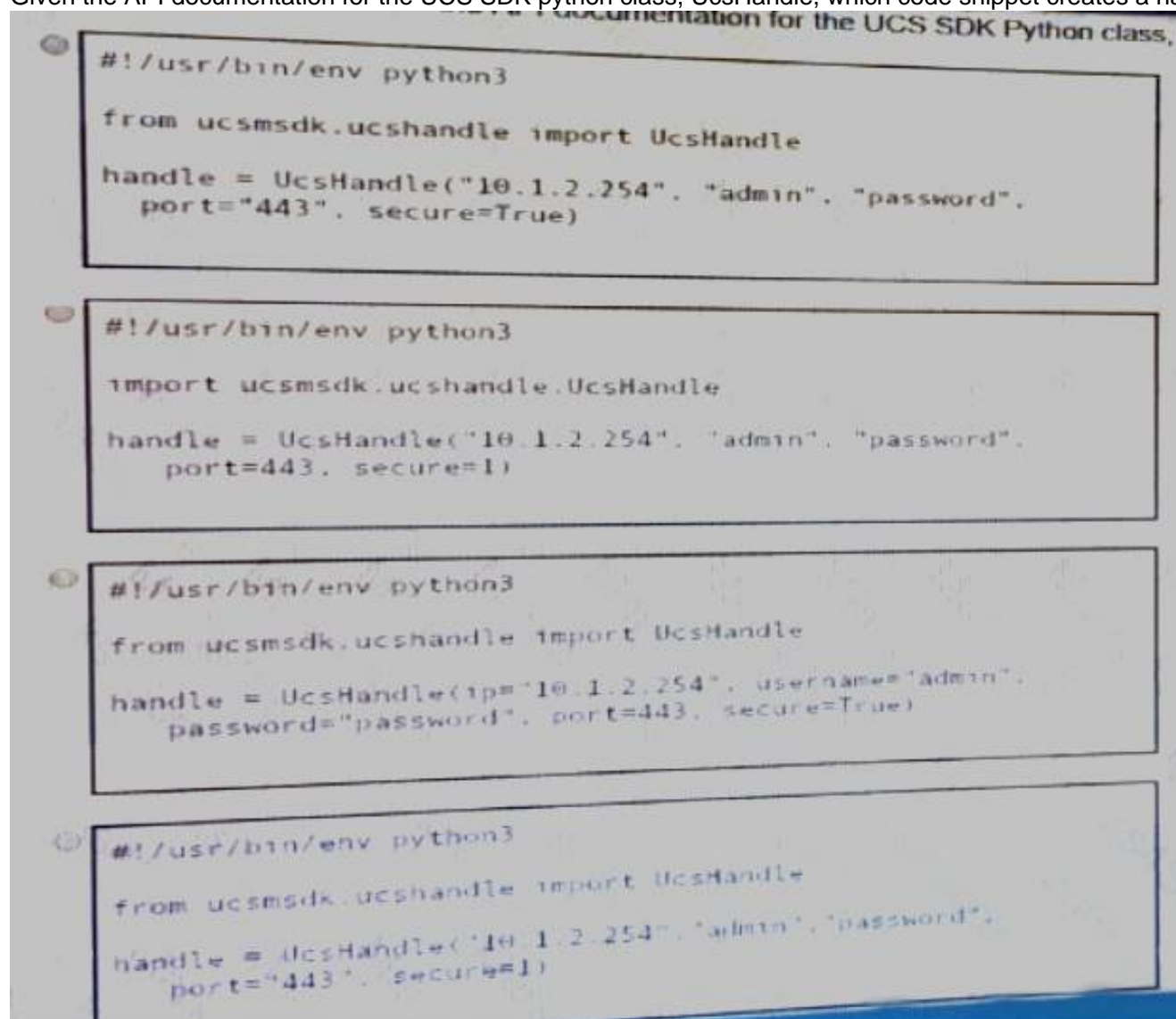
**Answer:** B

#### NEW QUESTION 41

Refer to the exhibit.

```
class ucsm sdk . ucshandle . Uc sHandle ( ip , username , password , port = None ,
secure = None , proxy = None ) [source]
Bases: ucsm sdk . uc ssession . Uc sSession
Uc sHandle class is the user interface point for any Uc s related communication.
Parameters:
• ip ( str ) – The IP or Hostname of the UCS Server
• username ( str ) – The username as configured on the UCS
Server
• password ( str ) – The password as configured on the UCS
Server
• port ( int or None ) – The port number to be used during
connection
• secure ( bool or None ) – True for secure connection, otherwise
False
• proxy ( str ) – The proxy object to be used to connect
```

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



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

**Answer: B**

#### NEW QUESTION 44

What should a CI/CD pipeline aim to achieve?

- A. to allow manual testing before deployment
- B. to require minimal manual interaction
- C. to support new deployments on a fixed monthly schedule
- D. to provide a documented process for feedback

**Answer: A**

#### NEW QUESTION 48

Which two statement describe the role of an artifact repository in a CI/CD pipeline? (Choose two.)

- A. An artifact repository allows to compare and merge changes in the source code of files involved in a build process.
- B. An artifact repository is needed only for CI/CD pipeline executed on a public cloud infrastructure.
- C. An artifact repository provides traceability, search, and management of binary files.
- D. An artifact repository is needed only for managing open source software.



E. An artifact repository stores files needed and generated during the build process.

**Answer:** CE

#### NEW QUESTION 51

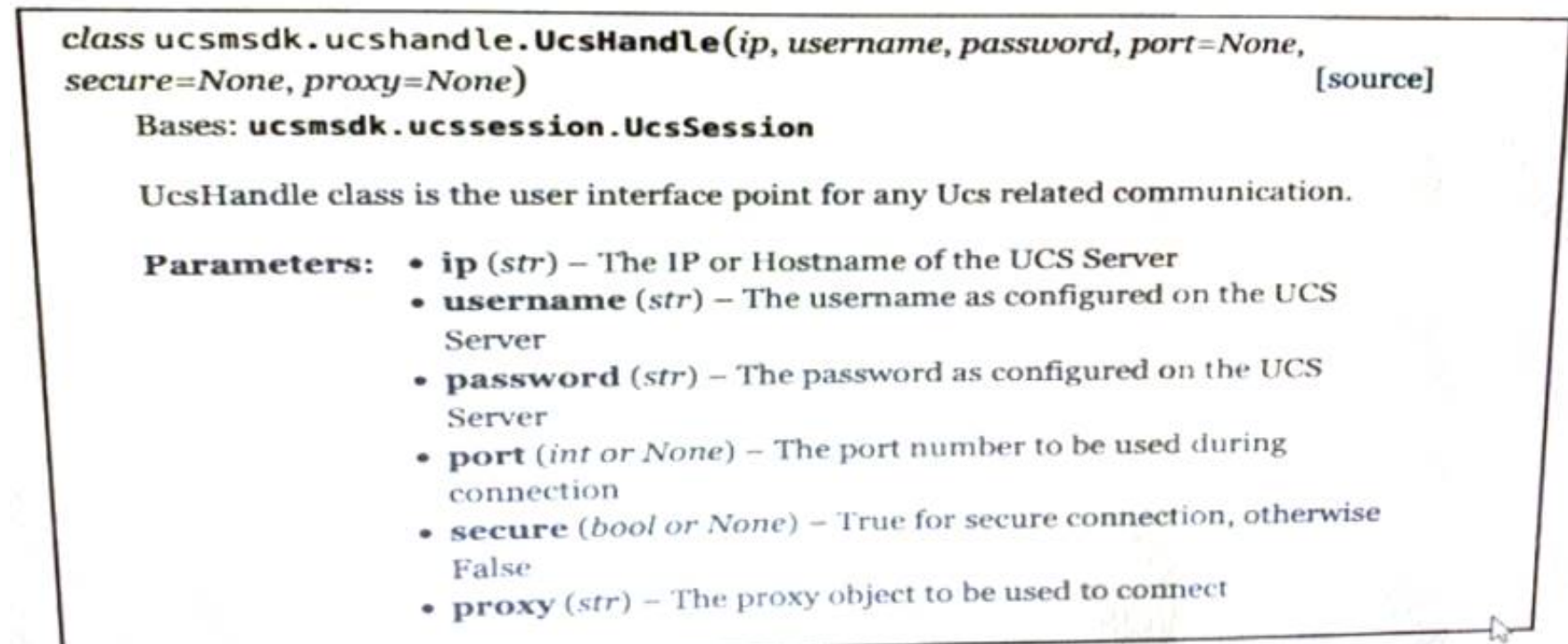
An application calls a REST API and expects a result set of more than 550 records, but each time the call is made, only 25 are returned. Which feature limits the amount of data that is returned by the API?

- A. pagination
- B. payload limit
- C. rate limiting
- D. service timeouts

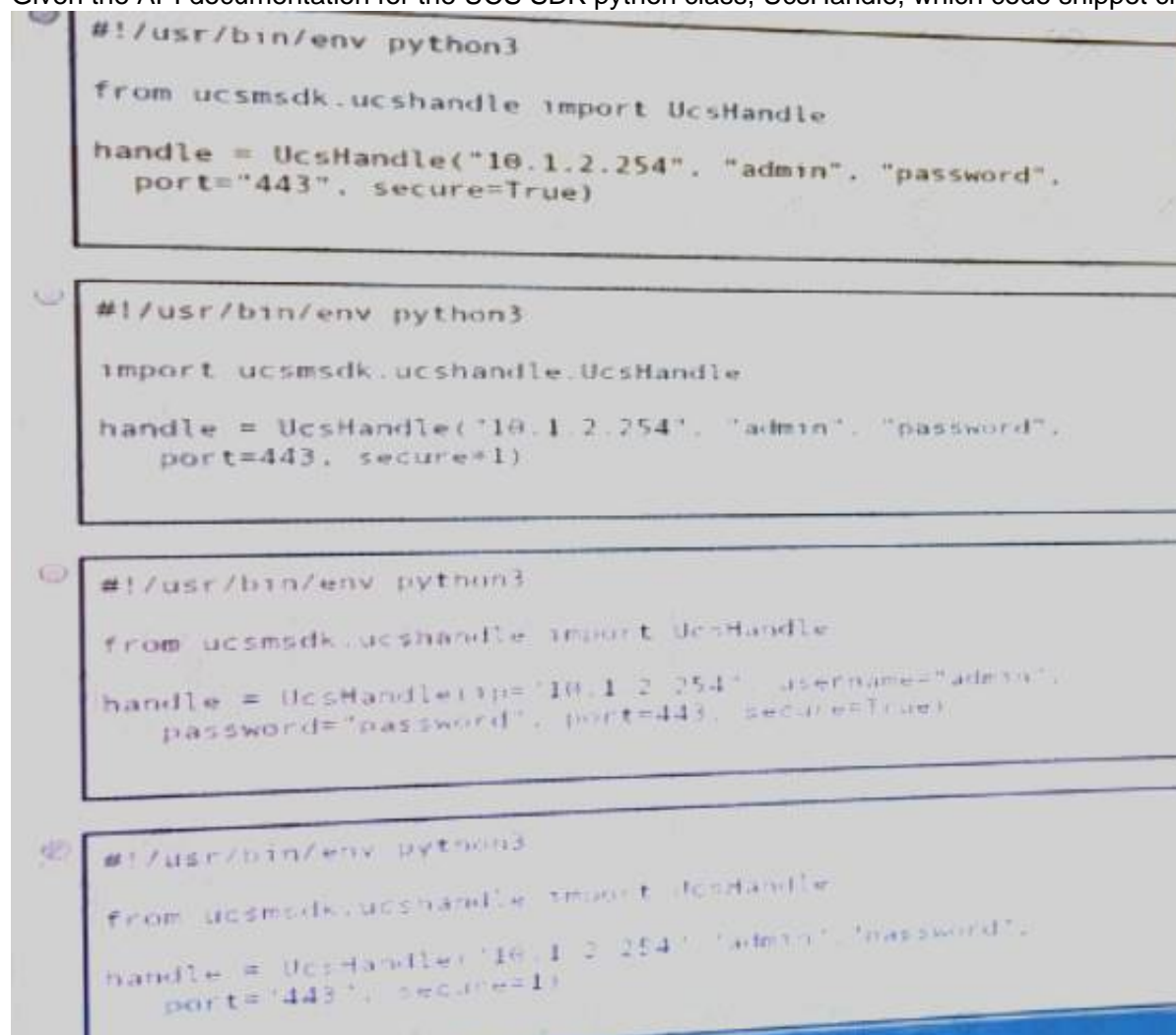
**Answer:** A

#### NEW QUESTION 52

Refer to the exhibit.



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



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

**Answer:** B

#### NEW QUESTION 57

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

In DNS, which record specifies an alias that refers to another name that ultimately resolves to an IP address?

- A. AAA
- B. SOA
- C. NS
- D. CNAME

**Answer:** D

#### NEW QUESTION 63

Refer to the exhibit.

```
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"])
```

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 68

Which principle is a value from the manifesto for Agile software development?

- A. adhering to a plan over responding to requirements
- B. detailed documentation over working software
- C. processes and tools over teams and interactions
- D. customer collaboration over contract negotiation

**Answer:** D

#### NEW QUESTION 71

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

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

**Answer:** C

#### NEW QUESTION 75

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
```

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

See the solution below.

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

**NEW QUESTION 78**

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 82**

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.

|        |  |
|--------|--|
| cd~    | list files in directory sorted by edited date descending |
| cd/    | create directory   |
| is -l  | copy file  |
| is -t  | change directory to user \$HOME                          |
| cp     | create environment variable                              |
| cp -r  | change directory to file system root                     |
| mv     | move file  |
| touch  | create file  |
| mkdir  | copy directory   |
| export | list files in directory with details                     |

- 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**

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 93**

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 96

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

|  |   |
|--|---|
| 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  |   |

- A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

1 – E, 2 – B, 3 – D, 4 – A

#### NEW QUESTION 97

Which two concepts describe test-driven development? (Choose two.)

- A. It enables code refactoring.  
B. Write a test before writing code.  
C. Implementation is driven by incremental testing of release candidates.  
D. User acceptance testers development the test requirements.  
E. Tests are created when code is ready for release.

**Answer:** BC

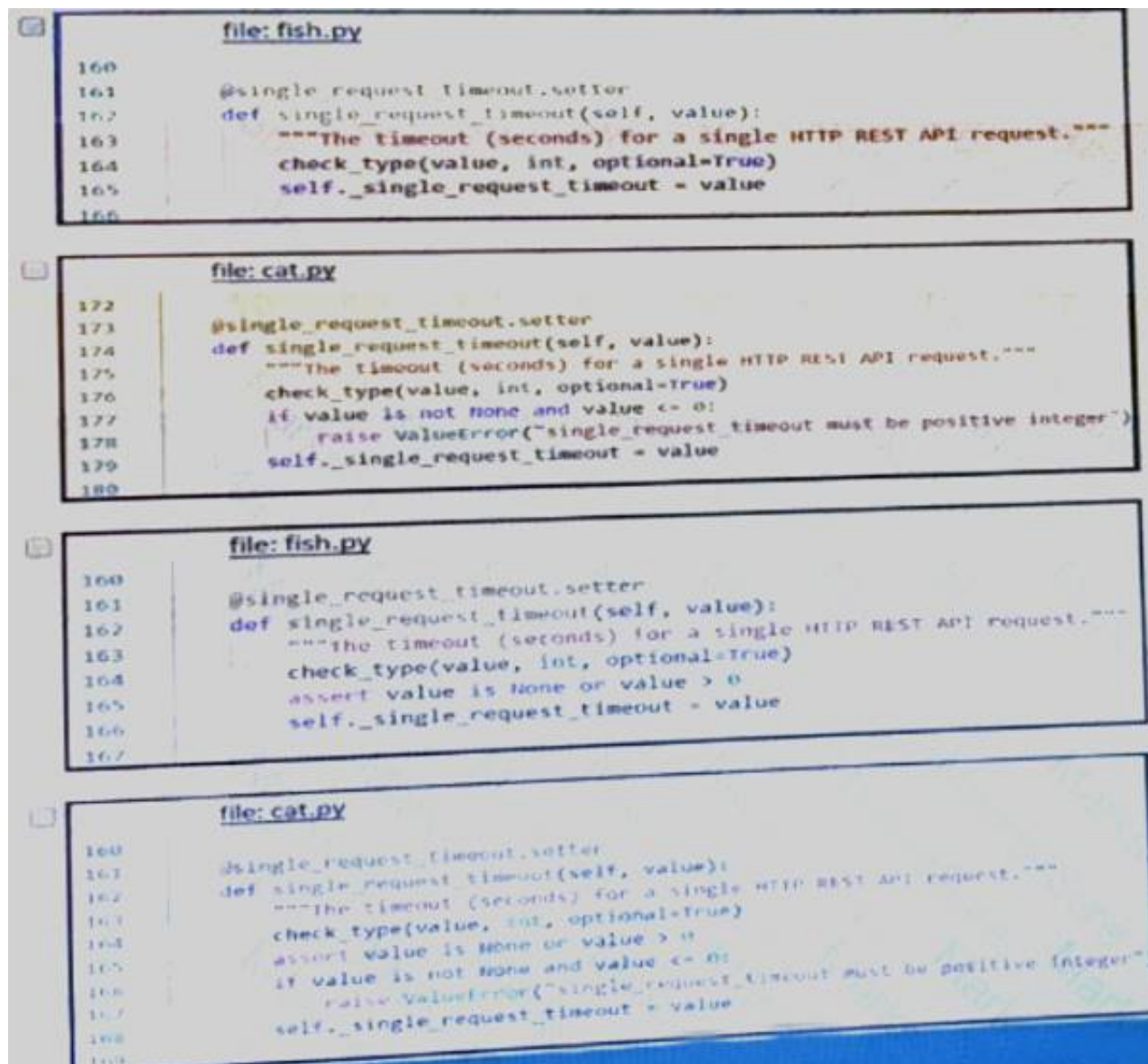
#### NEW QUESTION 102

Refer to the exhibit.

```
$ diff -u5 fish.py cat.py
--- fish.py      2020-01-02 09:41:02.840000000 +0100
+++ cat.py      2020-01-02 09:41:06.885999800 +0100
@@ -160,11 +160,12 @@
 
     @single_request_timeout.setter
     def single_request_timeout(self, value):
         """The timeout (seconds) for a single HTTP REST API request."""
         check_type(value, int, optional=True)
-        assert value is None or value > 0
+        if value is not None and value <= 0:
+            raise ValueError("single_request_timeout must be positive integer")
         self._single_request_timeout = value
 
     @property
     def wait_on_rate_limit(self):
         """Automatic rate limit handling.
```

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





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

Answer: BC

#### NEW QUESTION 106

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