# Leads4Pass

# 200-901 Q&As

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

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**QUESTION 1**

A REST API service requires basic authentication. A user\\'s credentials are "ned/33662255" and the Base64 encoding of the credentials is "a2lsbGE6NDU4ODI5". Which requirement must be met for a request to be authenticated?

A. The header must include: Authorization: Basic a2lsbGE6NDU4ODI5

B. The payload must include: Authorization: Basic a2lsbGE6NDU4ODI5

C. The header must include: username: ned, password: 33662255

D. The payload must include: username: ned, password: 33662255

Correct Answer: A

**QUESTION 2**

Which statement describes the benefit of using functions in programming?

A. Functions ensure that a developer understands the inner logic contained before using them as part of a script or application.

B. Functions create the implementation of secret and encrypted algorithms.

C. Functions allow problems to be split into simpler, smaller groups, and reduce code repetition, which makes the code easier to read.

D. Functions store mutable values within a script or application.

Correct Answer: C

**QUESTION 3**

Which HTTP response code should be returned when the request is completed but there is no content to send for the request?

A. 100

B. 204

C. 302

D. 402

Correct Answer: B

https://developer.mozilla.org/en-US/docs/Web/HTTP/Status#successful_responses

**QUESTION 4**

Refer to the exhibit.

```
 1  #/bin/bash
 2
 3  curl https://ciscodevnet.com/devnet-0.13.tar.gz -o /tmp/devnet.tar.gz
 4  tar -zxf /tmp/devnet.tar.gz
 5  mkdir /tmp/devnet && pushd /tmp/devnet
 6
 7  ./configure && make && make install
 8
 9  systemctl enable devnet
10  systemctl start devnet
```

A network engineer works on a Cisco DevNet application that is available for download on the Cisco DevNet website. The engineer prepares a bash script to automate operations that relate to the application. Which workflow is being automated in the bash script?

A. compilation and configuration of the Cisco DevNet application so that it must be started manually

B. compilation, installation, and configuration of the Cisco DevNet application so that it starts automatically

C. compilation and installation of the Cisco DevNet application for an autonomous deployment model

D. installation and configuration of the Cisco DevNet application so that it starts manually

Correct Answer: B

**QUESTION 5**

How are load balancers used in modern application deployments?

A. Turn off traffic and take down compute units, then update and bring the compute units back up.

B. Allow traffic to continue as new compute units are brought up and old compute units are taken down.

C. Allow http and https traffic to continue as old compute units are discontinued before new units are brought up.

D. Bring up new compute units, test the compute units, and switch the traffic from old units to new units.

Correct Answer: B

From DEVASC training:

Applications need to be available 24 hours every day. A successful web application should be able to handle ingress traffic even when the number of users drastically rises and be able to support any amount of traffic. For example, if your web

page loads in a couple of seconds with 100,000 users a month, it should be able to load within the same time even with double or triple the amount of users.

**QUESTION 6**

What is the function of an IP address in networking?

A. represents a network connection on specific devices

B. specifies the type of traffic that is allowed to roam on a network

C. specifies resource\\'s location and the mechanism to retrieve it

D. represents the unique ID that is assigned to one host on a network

Correct Answer: D

**QUESTION 7**

DRAG DROP Drag and Drop the GIT commands from the left onto the right that add modified local files to a remote repository. Not all options are used

Select and Place:

| git push | Git command one |
| --- | --- |
| git add . | Git command two |
| git checkout -b "new branch" | Git command three |
| git commit -m "this is my edit" | |
| git pull | |

Correct Answer:

| | git add . |
| | git commit -m "this is my edit" |
| git checkout -b "new branch" | git push |
| | |
| git pull | |

Step 1: git add .

Step 2: git commit -m "this is my edit"

Step 3: git push

(if the remote repository is not connect yet, we will need to use a Step 2.5 of "git remote add origin "

**QUESTION 8**

FILL BLANK

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

```
import requests

url = "https://myDNAserver/dna/intent/api/v1/network-device"

payload = {}

headers = {`x-auth-token\\': `eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.ey.JzdWIoOiI1ZDE0OWZkMjhlZTY2

MmQ3NGM5YzE5ZTliLmYzMCLslmV4CcCI6MTU3MjM3ODE%MCwidXNlcm5hbWUiOiJraX

N370940885.zhK5LPQd501ZUpZl0IH_qrgOXttlNbxSFFF7JOEtRls\\'
}

response = requests.request( _____ , url,

headers = _____, data = _____ )

print(response.text.encode(`utf8\\'))
```

```
import requests
url = "https://myDNAserver/dna/intent/api/v1/network-device"
payload = {}
headers = {'x-auth-token': 'eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiI1ZDE0OWZkMjhlZTY2
MmQ3NGM5YzE5ZTliLmYzMClslmV4cCI6MTU3MjM3ODE5MCwidXNlcm5hbWUiOiJraraX
N371274739.zhK5LPQd501ZUpZl0IH_qrgOXttINbxSFFF7JOEtRls'
}
response = requests.request(                              , url,
headers =                              , data =                              )
print(response.text.encode('utf8'))
```

A. Check the answer in explanation.

Correct Answer: A

response = requests.request( "GET" , url, headers = headers, data = payload ) print(response.text.encode(`utf8\\'))

```
import requests
url = "https://myDNAserver/dna/intent/api/v1/network-device"
payload = {}
headers = {'x-auth-token': 'eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiI1ZDE0OWZkMjhlZTY2
MmQ3NGM5YzE5ZTliLmYzMClslmV4cCI6MTU3MjM3ODE5MCwidXNlcm5hbWUiOiJraraX
N371387657.zhK5LPQd501ZUpZl0IH_qrgOXttINbxSFFF7JOEtRls'
}
response = requests.request( "GET"           , url,
headers = headers                , data = payload              )
print(response.text.encode('utf8'))
```
...a list of network devices using the Cisco DNA Center API

Reference: https://www.programcreek.com/python/example/64946/flask.request.get_data

**QUESTION 9**

Which platform is used to programmatically create a space and invite users for collaboration?

A. Cisco Intersight

B. Cisco Finesse

C. Cisco Webex

D. Cisco UCM

Correct Answer: C

**QUESTION 10**

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

Correct Answer: D

Reference: https://meraki.cisco.com/blog/tag/alerts/

---

**QUESTION 11**

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.

Correct Answer: CE

---

**QUESTION 12**

DRAG DROP

Drag and drop the HTTP status codes from the left onto the correct descriptions on the right.

Select and Place:

| 400 | | Unauthorized |
| 401 | | Not Found |
| 403 | | Bad Request |
| 404 | | Forbidden |

Correct Answer:

| 401 |
|-----|

| 404 |
|-----|

| 400 |
|-----|

| 403 |
|-----|

Reference: https://www.cisco.com/c/en/us/support/docs/security/web-security-appliance/118217-troubleshoot-wsa-00.html
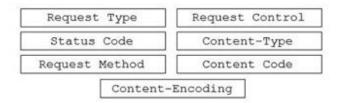
---

**QUESTION 13**

DRAG DROP

Drag and drop the code snippets from the bottom to the blanks in the code to complete the HTTP response. Not all options are used.
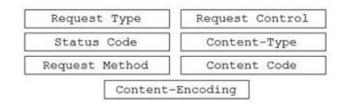
Select and Place:

```
Request URL: http://www.example.com/
[                    ]          : GET
[                    ]          : 200 OK
Remote Address: [2606:2800:220:1:248:1893:25c8:1946]:80
Referrer Policy: strict-origin-when-cross-origin
                    Response Headersview source
Accept-Ranges: bytes
Age: 396561
Cache-Control: max-age=604800
[                    ]          : gzip
Content-Length: 648
[                    ]          : text/html; charset=UTF-8
Date: Sat, 20 Nov 2020 20:49:34 GMT
Etag: "3147526947+ident"
Expires: Sat, 21 Nov 2020 20:49:34 GMT
Last-Modified: Thu, 17 Oct 2019 07:18:26 GMT
Server: ECS (dna/63AA)
Vary: Accept-Encoding
X-Cache: HIT

                    Request Headersview source
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,
     image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
```

| Request Type | Request Control |
| Status Code | Content-Type |
| Request Method | Content Code |
| Content-Encoding | |

Correct Answer:

```
Request URL: http://www.example.com/
[                    ]            : GET
[                    ]            : 200 OK
Remote Address: [2606:2800:220:1:248:1893:25c8:1946]:80
Referrer Policy: strict-origin-when-cross-origin
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Accept-Ranges: bytes
Age: 396561
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Last-Modified: Thu, 17 Oct 2019 07:18:26 GMT
Server: ECS (dna/63AA)
Vary: Accept-Encoding
X-Cache: HIT

                    Request Headersview source
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,
        image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
```
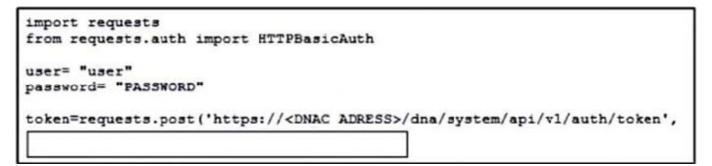
| Request Type | Request Control |
|---|---|
| Status Code | Content-Type |
| Request Method | Content Code |

| Content-Encoding |
|---|

**QUESTION 14**

Refer to the exhibit.

```
import requests
from requests.auth import HTTPBasicAuth

user= "user"
password= "PASSWORD"

token=requests.post('https://<DNAC ADRESS>/dna/system/api/v1/auth/token',

[                                                    ]
```

A developer must use a token to collect data from Cisco DNA Center API and prepares a Python script to send requests. Which line of code needs to be placed on the snippet where the code is missing to obtain a token from the Cisco DNA Center API?

A. token=BasicAuth(`user\\',`password\\'))

B. auth=BasicAuth(`user\\',`password\\'))

C. auth=HTTPBasicAuth(user,password))

D. token=HTTPBasicAuth(user,password))

Correct Answer: C

---

**QUESTION 15**

What are two benefits of organizing code into classes, methods, functions, and modules? (Choose two.)

A. improves readability

B. improves reusability

C. improves parallelism

D. improves performance

E. decreases complexity

Correct Answer: AB

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