



200-901^{Q&As}

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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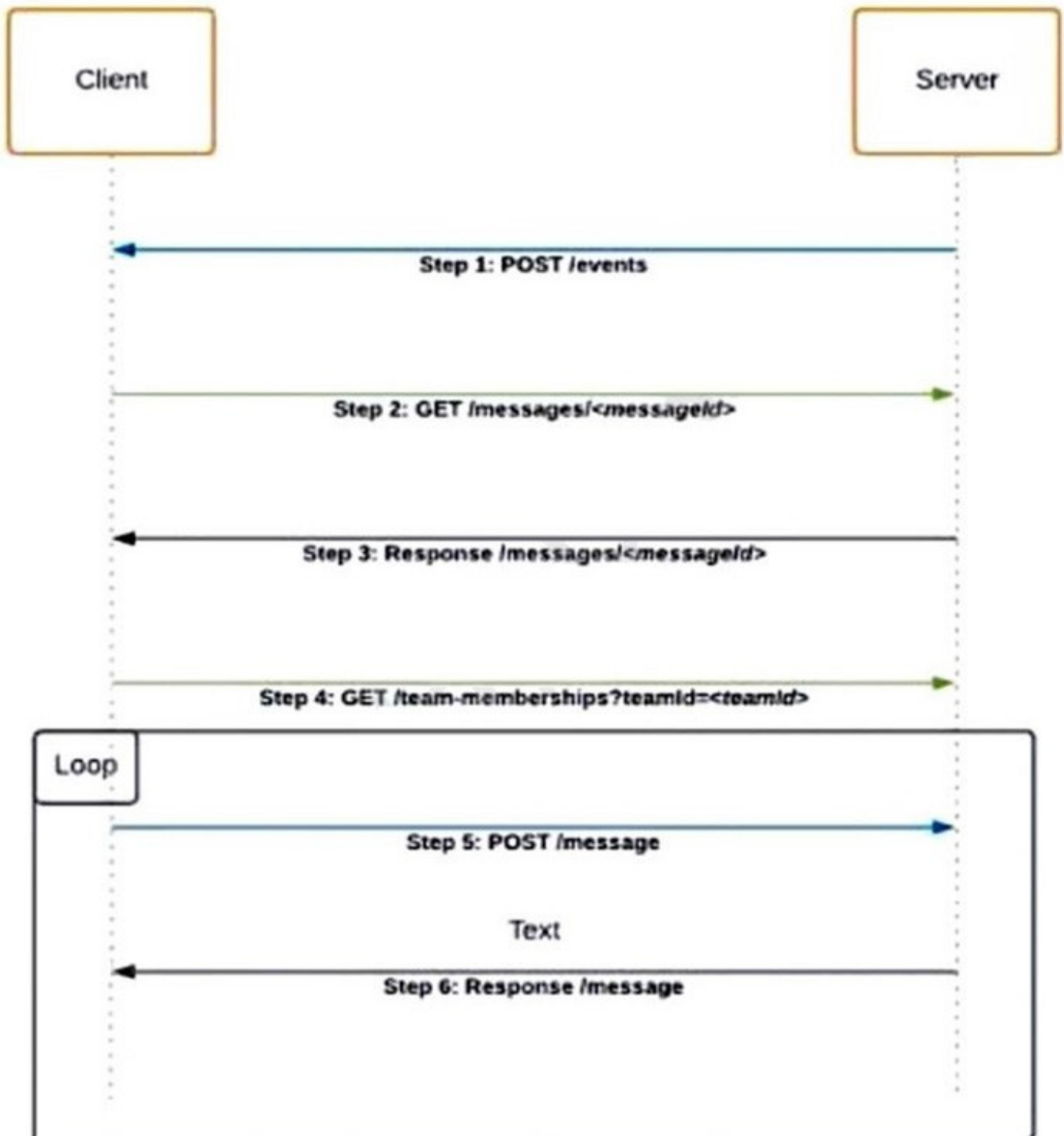
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QUESTION 1

Refer to the exhibit.



Which code snippet represents the sequence.



- Ⓐ.

```
@flask_app.route('/events', methods=['POST'])
def webex_teams_webhook_events():
    json_data = request.json['data']
    response = requests.get(MESSAGE_URL +
    json_data['id'], headers=headers)
    if response.json()['text'] == 'Alert':
        response = requests.get(Team_MEMBERSHIPS_URL,
        headers=headers, params=params)
        for info in response.json()['items']:
            data = {'personId': info['personId'], 'text':
            'Alert'}
            response = requests.post(MESSAGES_URL,
            headers=headers, params=params)
```
- Ⓑ.

```
@flask_app.route('/events', methods=['POST'])
def webex_teams_webhook_events():
    json_data = request.json['data']
    if response.json()['text'] == 'Alert':
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        json_data['id'], headers=headers)
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            data = {'personId': info['personId'],
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            headers=headers, params=params)
```



- Ⓒ C.

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    if response.json()['text'] == 'Alert':
        for info in response.json()['items']:
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            headers=headers, params=params)
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            'Alert'}
            response = requests.get(MESSAGES_URL,
            headers=headers, params=params)
```
- Ⓓ D.

```
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    json_data['id'], headers=headers)
        for info in response.json()['items']:
            data = {'personId': info['personId'], 'text':
            'Alert'}
            response = requests.post(MESSAGES_URL,
            headers=headers, params=params)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

**QUESTION 2**

A REST API service requires authentication based on the username and password. The user "john" has the password "384279060" and the Base64 encoding of those credentials is "am9objowMTIzNDU2Nzg=". Which method completes an authentication request?

- A. The header must include: Authorization: Bearer am9objowMTIzNDU2Nzg=
- B. The payload must include: Authorization: Bearer am9objowMTIzNDU2Nzg=
- C. The payload must include. Authorization: Basic am9objowMTIzNDU2Nzg=
- D. The header must include: Authorization: Basic am9objowMTIzNDU2Nzg=

Correct Answer: D

QUESTION 3

Refer to the exhibit.

```
---
- hosts: CISCO_ROUTER_01
  gather_facts: true
  connection: network_cli

  tasks:
    - name: show conf
      ios_command:
        commands:
          - show running-config
      register: config

- name: save output to /etc/ansible/configs
  copy:
    content: "{{ config.stdout[0] }}"
    dest: "/etc/ansible/configs/show_conf_{{ inventory_hostname }}.txt"
```

What is the result of executing this Ansible playbook?

- A. The playbook copies a new start-up configuration to CISCO_ROUTER_01
- B. The playbook copies a new running configuration to CISCO_ROUTER_01
- C. The playbook backs up the running configuration of CISCO_ROUTER_01
- D. The playbook backs up the start-up configuration of CISCO_ROUTER_01

Correct Answer: C

**QUESTION 4**

What is a benefit of organizing code into modules?

- A. better maintainability
- B. simplified development
- C. compatibility with REST APIs
- D. reduced development costs

Correct Answer: A

QUESTION 5

What is the outcome of executing this command? `git clone ssh://john@example.com/path/to/my-project.git`

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

Correct Answer: A

`git clone` is primarily used to point to an existing repo and make a clone or copy of that repo at in a new directory, at another location. The original repository can be located on the local filesystem or on remote machine accessible supported protocols. The `git clone` command copies an existing Git repository.

Reference: <https://www.atlassian.com/git/tutorials/setting-up-a-repository/git-clone>

QUESTION 6

Refer to the exhibit.

```
1 #/bin/bash
2
3 curl https://cisco devnet.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 7

Which two statements 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 8

A developer has created a new image to use in a Docker build and has added a tag for the image by using the command:

```
$ docker tag 84fe411926287 local/app:0.4
```

Which command must be executed next to build the Docker image using the tag?

- A. \$ docker build -p local/app:0.4
- B. \$ docker run -t local/app:0.4
- C. \$ docker run -p local/app:0.4
- D. \$ docker build -t local/app:0.4

Correct Answer: D

QUESTION 9



What is a difference between a synchronous API and an asynchronous API?

- A. An asynchronous API can make offline calls while synchronous APIs do not have this capability.
- B. Synchronous API calls are returned immediately while asynchronous calls do not guarantee an immediate response.
- C. Synchronous API calls require an authentication header to be sent while asynchronous calls do not require authentication.
- D. An asynchronous API can make a larger number of calls in a specified time period than a synchronous API.

Correct Answer: D

QUESTION 10

Refer to the exhibit.

```
import csv
import json
import requests

headers = {'Content-type': 'application/json', 'Accept': 'text/plain'}

response = requests.post('https://httpbin.org')

with open("rovers.csv", "r", encoding='utf-8-sig') as f:
    reader = csv.DictReader(f)
    rovers = list(reader)
    print(rovers)

url = 'https://httpbin.org/put'

json_object = json.dumps(rovers, indent=4)
print(json_object)

r = requests.put(url, data=json_object)

print(r.headers)

print(url)

print(r.status_code)

try:
    r = requests.get('https://httpbin.org/get')
    r.raise_for_status()
except requests.exceptions.HTTPError as err:
    raise SystemExit(err)
```

An astronomer creates a Python script named `makeexoplanetapi.py` to import external data for comparison with the department data. The astronomer changes the script after a discussion with another astronomer. Which code snippet shows a unified diff of the script?



- A. --- makeexoplanetapi.py 2020-12-20 19:30:32
+++ makeexoplanetapi.py 2020-12-20 19:30:32
@@ -1,49 +1,59 @@
-response = requests.post
-('https://httpbin.org')
+app = flask.Flask(__name__)
+app.config['DEBUG'] = True
-with open("planets_exo.csv", "r", encoding='utf-8-
sig') as f:
+with open("exo_api.csv", "r", encoding='utf-8-sig')
as f:
+ exo = list(reader)
+ print(exo)
- B. --- makeexoplanetapi.py 2020-12-20 19:30:32
+++ makeexoplanetapi.py 2020-12-20 19:30:32
!! -1,49 +1,59 !!
{sub}response = requests.post('https://httpbin.org')
{add}app = flask.Flask(__name__)
{add}app.config['DEBUG'] = True
{sub}with open("planets_exo.csv", "r", encoding='utf
{sub}8{sub}sig') as f:
{add}with open("exo_api.csv", "r", encoding='utf{sub}8
{sub}sig') as f:
{add} ex= list(reader)
{add} print(exo)



- C.

```
--- makeexoplanetapi.py 20-12-20 19:30:32
+++ makeexoplanetapi.py 2020-12-20 19:30:32
~~~ -1,79 +1,87 ~~~
~response = requests.post('https://httpbin.org')
~app = flask.Flask(__name__)
~app.config['DEBUG'] = True
~with open("planets_exo.csv", "r", encoding='utf-8-
sig') as f:
~with open("exo_api.csv", "r", encoding='utf-8-sig') as
f:
~    exo = list(reader)
~    print(exo)
```
- D.

```
--- exoplanetsapi.py 2020-12-20 19:30:32
+++ exoplanetsapi.py 2020-12-20 19:30:32
@@ -1,49 +1,59 @@
~response = requests.post('https://httpbin.org')
~app = flask.Flask(__name__)
~app.config['DEBUG'] = True
~with open("planets_exo.csv", "r", encoding='utf-8-
sig') as f:
~with open("exo_api.csv", "r", encoding='utf-8-sig')
as f:
~    exo = list(reader)
~    print(exo)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 11

Refer to the exhibit.



```
import requests, json
url = https://sandboxdnac.cisco.com:443/dna/intent/api/v1/3daa70bdcd5b
headers = {
    'x-auth-token': 'eyJhbGc ... yJbN8',
    'Content-Type': 'application/json',
}
payload = {
    "settings": {
        "dhcpServer": ["172.30.200.5"],
        "dnsServer": {
            "domainName": "devnet.local",
            "primaryIpAddress": "172.30.200.6",
            "secondaryIpAddress": "172.30.200.7"},
        "syslogServer": {"ipAddresses": ["10.255.0.1"], "configureDnacIP": True}
    }
}
response = requests.request('POST', url, headers=headers, data=payload)
print(response.status_code)
```

A developer writes a script to create a new network by using the Cisco DNA Center API. After running the script for the first time, the developer observes that HTTP code 404 is printed to the console. Which action resolves the problem?

- A. The x-auth-token value must be changed to a valid token.
- B. The API URL must be changed with a valid URL.
- C. The requested payload must be fixed to include missing parts.
- D. Internal errors on the code of API server must be fixed.

Correct Answer: B

QUESTION 12

Which response code family is returned when further action must be taken to complete the request?

- A. 2xx
- B. 3xx
- C. 4xx
- D. 5xx

Correct Answer: B

QUESTION 13

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

Correct Answer: B

QUESTION 14

DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing to obtain a list of network devices by using the Cisco Meraki API. Not all options are used.



Select and Place:

```
import requests

url = "https://api.meraki.com/api/v0/ [ ] /{{networkId}}/[ ] "

payload = {}
headers = {
    'Accept': '*/*'
}

response = requests.request("[ ]", url, headers=headers, data=payload)

print(response.text.[ ] ('utf8'))
```

Correct Answer:

```
import requests

url = "https://api.meraki.com/api/v0/ [networks] /{{networkId}}/[devices] "

payload = {}
headers = {
    'Accept': '*/*'
}

response = requests.request("[GET]", url, headers=headers, data=payload)

print(response.text.[encode] ('utf8'))
```

QUESTION 15

What is a benefit of a CI/CD pipeline for infrastructure?

- A. removes manual errors
- B. enables manual steps
- C. removes the need for operations
- D. provides variety for deployments

Correct Answer: A



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