Vendor: Cisco
Exam Code: 200-901
Exam Name: Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)
Certification: Cisco Certified DevNet Associate
Total Questions: 624 Q&A (View Details)
Updated on: Feb 27, 2026

The name has not been updated and does not affect the materials.

Question 1:
Refer to the exhibit.

```
api_endpoint = f"https://veryusefulapi/v2/authenticate"

headers = {
    "Authorization": "Basic YWRtaW46c3VwZXJzZWNyZXQ="
    "Accept": "application/json"
}

req = requests.get(api_endpoint, headers=headers)
```

A developer is part of a team that is working on an open-source project in which source code is hosted in a public GitHub repository. While the application was built, security concerns were addressed by encrypting the credentials on the server. After a few months, the developer realized that a hacker managed to gain access to the account. The exhibit contains part of the source code for the login process. Why was the attacker able to access the developer\'s account?

A. The encoded credentials were available in the source code.

B. The application was not encrypting the communication with the server.

C. The credentials were encrypted in the source code.

D. An SSL certificate was used instead of the TLS protocol to authenticate.

Correct Answer: A

Question 2:
How do XML and JSON compare regarding functionality?

A. XML provides support for mapping data structures into host languages than JSON.

B. XML provides more human readability than JSON.

C. JSON provides support for data types than XML.

D. JSON natively supports arrays and XML does not natively support arrays.

Correct Answer: B

Option A is incorrect. Both XML and JSON support mapping data structures into host languages, although the specific mechanisms for doing so may differ.

Option C is incorrect. Both XML and JSON support a variety of data types, including strings, numbers, and Booleans.

Option D is incorrect. Both XML and JSON support arrays, although the syntax for representing arrays is different in the two formats. In XML, arrays can be represented using repeating elements with the same name, while in JSON, arrays

are represented using square brackets.

Question 3:
What are two roles of an artifact repository in a CI/CD pipeline? (Choose two.)

A. stores files needed and generated during the build process

B. provides traceability, search, and management of binary files

C. is required for CI/CD pipelines executed on a public cloud infrastructure

D. allows for comparing and merging changes in the source code

E. is required for managing open source software

Correct Answer: AB

Question 4:
FILL BLANK

Fill in the blanks to complete the statement.

Cisco DNA Center provides the capability to send an HTTP _____ request to the API endpoint https://DNA-C_API_ADDRESS/api/v1/network-device/and receive the network _____ list in _____ format.

A. Check the answer in explanation.

Correct Answer: A

authentication parameter json

Question 5:

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

A. organizing cross-functional teams over organizational silos

B. designing applications as microservices

C. encouraging containers for the deployment of applications

D. automating over documenting

E. optimizing the cost of infrastructures

Correct Answer: AD

Question 6:

Which Cisco network management platform facilitates data center automation across private or public clouds?

A. Meraki Systems Manager

B. Cisco DNA Center

C. SD-WAN

D. ACI Anywhere

Correct Answer: D

Slide 6:
https://www.cisco.com/c/dam/m/en_sg/techconnect-webinar/pdfs/aci-anywhere-webinar.pdf

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Question 7:

Refer to the exhibit.

```
1 def enable_function(if_name, if_status, if_type):
2     headers = {'Accept': 'application/yang-data+json',
3                'Content-Type': 'application/yang-data+json'}
4     payload = {
5         "ietf-interfaces:interface": {
6             "name": if_name,
7             "enabled": if_status,
8             "type": if_type
9         }
10    }
11    base_url = 'https://192.168.1.1:8443'
12    restconf_url = '/restconf/data/ietf-interfaces:interfaces/interface'
13
14    res = requests.put(f'{base_url}{restconf}={if_name}',
15                       headers=headers, json=payload,
16                       auth=('cisco', 'secret'), verify=False)
```

A network engineer wants to automate the port enable/disable process on specific Cisco switches. The engineer creates a script to send a request through RESTCONF and uses ietf as the YANG model and JSON as payload. Which command enables an interface named Loopback1?

A. enable_function(Loopback1, true, `iana-if-type:softwareLoopback\').

B. enable_function(`iana-if-type:softwareLoopback\', Loopback1, true,)

C. def enable_function(`iana-if-type:softwareLoopback\', Loopback1, false,)

D. def enable_function(Loopback1, true, `iana-if-type:softwareLoopback\')

Correct Answer: A

This is calling the function and run the arguments def enable_function(Loopback1, true, \'iana-if-type:softwareLoopback\')

Question 8:
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 start-up configuration of the IOS router is copied to a local folder.

C. The current running configuration of the IOS router is backed up.

D. A new start-up configuration is copied to the IOS router.

Correct Answer: C

Question 9:
What is a capability of an agentless configuration management system?

A. It requires managed hosts to have an interpreter for a high-level language such as Python or Ruby.

B. It requires managed hosts to connect to a centralized host to receive updated configurations.

C. It uses compiled languages as the basis of the domain-specific language to interface with managed hosts.

D. It uses existing protocols to interface with the managed host.

Correct Answer: D

Question 10:

Which API must an engineer use to change a netmask on a Cisco IOS XE device?

A. Meraki

B. SD-WAN

C. RESTCONF/YANG

D. DNAC

Correct Answer: C

Question 11:

DRAG DROP

Drag and drop the code snippets from the bottom onto the blanks in the code to complete the happy path scenario. Not all options are used.

Select and Place:

```python
import member as m
import pytest
class Team:
    def __init__(self, name):
        self.name = name
        self.members = []
    def add_member(self, member):
        if member:
            if member not in self.members:
                [                              ]

                    return True
            else:
                [                              ]

        else: [                              ]

@pytest.fixture
def team():
    team = Team('Reds')
    yield team
    del team
@pytest.fixture
def member():
    member = m.Member('Chris George')
    yield member
    del member
@pytest.mark.usefixtures('team', 'member')
class TestHappyPathAddMemberToTeam:
    def test_add_member_to_team(self, team, member):
        assert [                              ] is True
```

return True

team.add_member(member)

self.members.append(member)

yield member

return False

member.add_member()

Correct Answer:

```python
import member as m
import pytest
class Team:
    def __init__(self, name):
        self.name = name
        self.members = []
    def add_member(self, member):
        if member:
            if member not in self.members:
```

member.add_member()

```python
                return True
            else:
```

return False

```python
        else:
```

team.add_member(member)

```python
@pytest.fixture
def team():
    team = Team('Reds')
    yield team
    del team
@pytest.fixture
def member():
    member = m.Member('Chris George')
    yield member
    del member
@pytest.mark.usefixtures('team', 'member')
class TestHappyPathAddMemberToTeam:
    def test_add_member_to_team(self, team, member):
        assert                                              is True
```

yield member

return True

self.members.append(member)

Question 12:

Which tool provides a testing environment to run tests on network devices and perform network automation scenarios?

A. Visual Studio Code

B. Cisco VIRL

C. pyATS

D. Cisco Packet Tracer

Correct Answer: B

Question 13:

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. Loop through the returned list of network devices and, for each device, print the device name and management IP address.

B. Count and print the total number of available devices.

C. For each device that is returned, display the device type and associated management IP address.

D. Iterate over a list of network devices and write all device names and management IP addresses to an output file.

Correct Answer: A

Question 14:

Refer to the exhibit.

```
workstation:Network admin$ ls
PROD TEST
workstation:Network admin$ ls ./TEST
config.txt
workstation:Network admin$
```

A network engineer must copy the "config.txt" file from directory TEST to directory PROD. The copied file must also be renamed into "current.txt". Which command must be used to accomplish these tasks?

A. cp ./PROD/current.txt ./TEST/config.txt

B. cp ./TESTi/current.txt ./PROD/config.txt

C. cp ./PROD/config.txt ./TEST/current.txt

D. cp ./TEST/config.txt ./PROD/current.txt

Correct Answer: D

Question 15:
What is the purpose of a router in a network?

A. to provide wireless connectivity to a LAN

B. to filter harmful incoming traffic on a network

C. to connect multiple networks

D. to implement network high availability

Correct Answer: C