



# 200-901<sup>Q&As</sup>

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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### QUESTION 1

DRAG DROP

Drag and drop the capability on the left onto the Cisco compute management platform that supports the capability on the right.

Select and Place:

Multi-Cloud automation and orchestration platform for Cisco and third-party servers, networks, storage, and converged infrastructure.

Software as a Service Platform that enables Cisco infrastructure management, automation and orchestration from anywhere.

Embedded software that enables Cisco server, fabric, and storage provisioning.

UCS Manager

UCS Director

Intersight

Correct Answer:

Embedded software that enables Cisco server, fabric, and storage provisioning.

Multi-Cloud automation and orchestration platform for Cisco and third-party servers, networks, storage, and converged infrastructure.

Software as a Service Platform that enables Cisco infrastructure management, automation and orchestration from anywhere.

### QUESTION 2



Refer to the exhibit.



```
---
- 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
```



Which two statements describe the configuration of the switch after the Ansible script is run? (Choose two.)

- A. Traffic from ports 0/2 to 0/5 can flow on port 0/1 due to the trunk.
- B. GigabitEthernet0/1 is left unconfigured.
- C. GigabitEthernet0/2 and GigabitEthernet0/3 are access ports for VLAN 6.
- D. Traffic can flow between ports 0/2 to 0/5 due to the trunk on port 0/1.
- E. Traffic on ports 0/2 and 0/3 is connected to port 0/6.

Correct Answer: AC

---

### QUESTION 3

How does requesting a synchronous API operation differ from requesting an asynchronous API operation?

- A. clients poll for the status of the execution of operations
- B. clients subscribe to a webhook for operation results
- C. clients can access the results immediately
- D. clients receive responses with a task id for further processing

Correct Answer: C

---

### QUESTION 4

On which network plane is routing protocol traffic handled?

- A. management plane
- B. data plane
- C. authentication plane
- D. control plane

Correct Answer: D

Reference: [https://tools.cisco.com/security/center/resources/understanding\\_cppr](https://tools.cisco.com/security/center/resources/understanding_cppr)

---

### QUESTION 5

Refer to the exhibit.



```
[
  {
    "type": "fruit",
    "items": [
      {
        "color": "green",
        "items": [
          "kiwi",
          "grape"
        ]
      },
      {
        "color": "red",
        "items": [
          "strawberry",
          "apple"
        ]
      }
    ]
  },
  {
    "type": "vegs",
    "items": [
      {
        "color": "green",
        "items": [
          "lettuce"
        ]
      },
      {
        "color": "red",
        "items": [
          "pepper"
        ]
      }
    ]
  }
]
```



A REST API returns this JSON output for a GET HTTP request, which has been assigned to a variable called "vegetables". Using Python, which output is the result of this command? `print(filter(lambda 1: 1[ `type` ] == `fruit`, vegetables) [0][ `items` ][0][ `items` ][0])`

A. `{ `color`: `green`, `items`: [ `kiwi`, `grape` ]}`

B. `[ `kiwi`, `grape` ]`

C. lettuce

D. kiwi

Correct Answer: D

---

### QUESTION 6

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 7

FILL BLANK

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`: `_____`, `password`: `370940885` }
```

```
header = { `Content-type`: `application.json` }
```

```
response = _____ .post(url, data=json.dumps(payload), \
```

```
headers= _____, verify=False)
```



```
r_json = response.json()
print(r_json)
ticket = r_json["response"]["serviceTicket"]
print(ticket)
```

A.

Correct Answer: See below.

### QUESTION 8

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

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

Correct Answer: A

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1610/b\\_1610\\_programmability\\_cg/gnmi\\_protocol.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/1610/b_1610_programmability_cg/gnmi_protocol.html)

### QUESTION 9

Refer to the exhibit.

```
class ucmsdk.ucshandle.UcsHandle(ip, username, password, port=None, secure=None, proxy=None)
```

Bases: `ucmsdk.ucsession.UcsSession`

[\[source\]](#)

UcsHandle class is the user interface point for any Ucs 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, UcsI-handle, which code snippet creates a handle instance?





- A. 

```
#!/usr/bin/env python3
from ucsm sdk.ucshandle import UcsHandle
handle = UcsHandle("10.1.2.254". "admin". "password".
    port="443". secure=True)
```
- B. 

```
#!/usr/bin/env python3
from ucsm sdk.ucshandle import UcsHandle
handle = UcsHandle(ip="10.1.2.254". username="admin".
    password="password". port=443. secure=True)
```
- C. 

```
#!/usr/bin/env python3
from ucsm sdk.ucshandle import UcsHandle
handle = UcsHandle("10.1.2.254". "admin"="password".
    port="443". secure=1)
```
- D. 

```
#!/usr/bin/env python3
import ucsm sdk.ucshandle.UcsHandle
handle = UcsHandle("10.1.2.254". "admin"= "password".
    port=443. secure=1)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2016/pdf/LTRINI%202020-LG.pdf>

#### QUESTION 10

Which service provides a directory lookup for IP addresses and host names?



- A. DNS
- B. DHCP
- C. SNMP
- D. NAT

Correct Answer: A

#### QUESTION 11

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 12

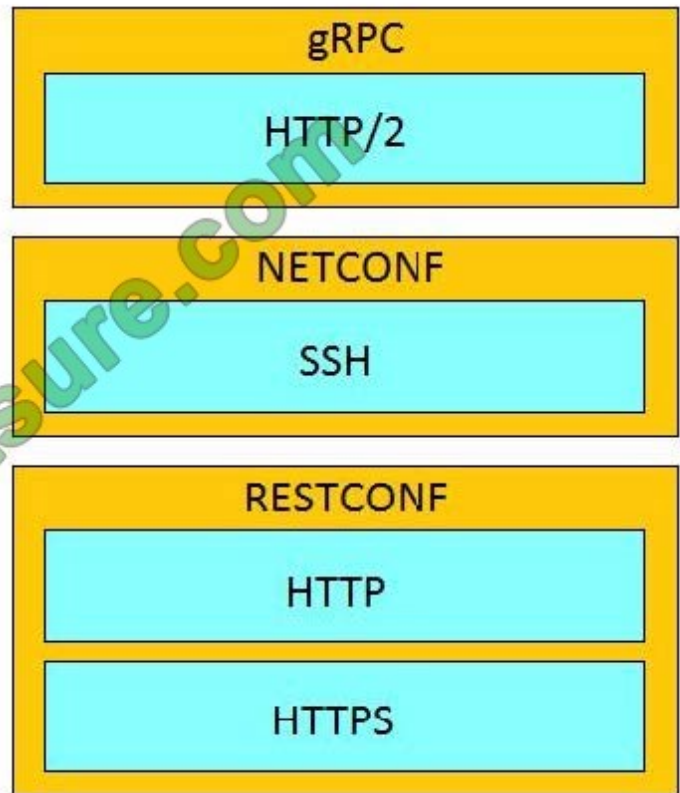
DRAG DROP

Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.

Select and Place:

SSH	gRPC
HTTP	
HTTP/2	NETCONF
HTTPS	
	RESTCONF

Correct Answer:



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