350-901^{Q&As}

Developing Applications Using Cisco Core Platforms and APIs (DEVCOR)

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QUESTION 1

Refer to the exhibit.

```
1   def init_tracer(service):
2       logging.getLogger('').handlers = []
3       logging.basicConfig(format='%(message)s', level=logging.DEBUG)
4       config = Config(
5           config={'sampler': {'type': 'const', 'param': 1,},'logging': True,},
6           service_name=service,)
7       return config.initialize_tracer()
8
9   base_url = 'https://sandboxdnac.cisco.com/'
10
11          try:
12              dnac = DNACenterAPI(username='devnetuser', password='Cisco123!',
13                                  base_url=base_url, version='1.3.3',
.                                   verify=False)
14              print('auth passed')
15          except Exception as e:
16              print('failed')
17      try:
18          devices = dnac.devices.get_device_list()
19          devices = devices['response']
20
21          devices = [device['hostname'] for device in devices]
22          print(devices)
23      except Exception as e:
24          print('Failed to list devices')
```

An application is created to serve the needs of an enterprise. Slow performance now impacts certain API calls, and the application design lacks observability. Which two commands improve observability and provide an output that is similar to the sample output? (Choose two.)

☐ A.
```
dnac-tracer3 = init_tracer('dnac-tracer3')
```

☐ B.
```
with dnac-tracer3.start_span('dnac-api-calls') as span:
```

☐ C.
```
with tracer.start_span('dnac-api-calls') as span:
```

☐ D.
```
dnac-tracer3.start_span('dnac-api-calls') as span:
```

☐ E.
```
tracer = init_tracer('dnac-tracer3')
```

A. Option A

B. Option B

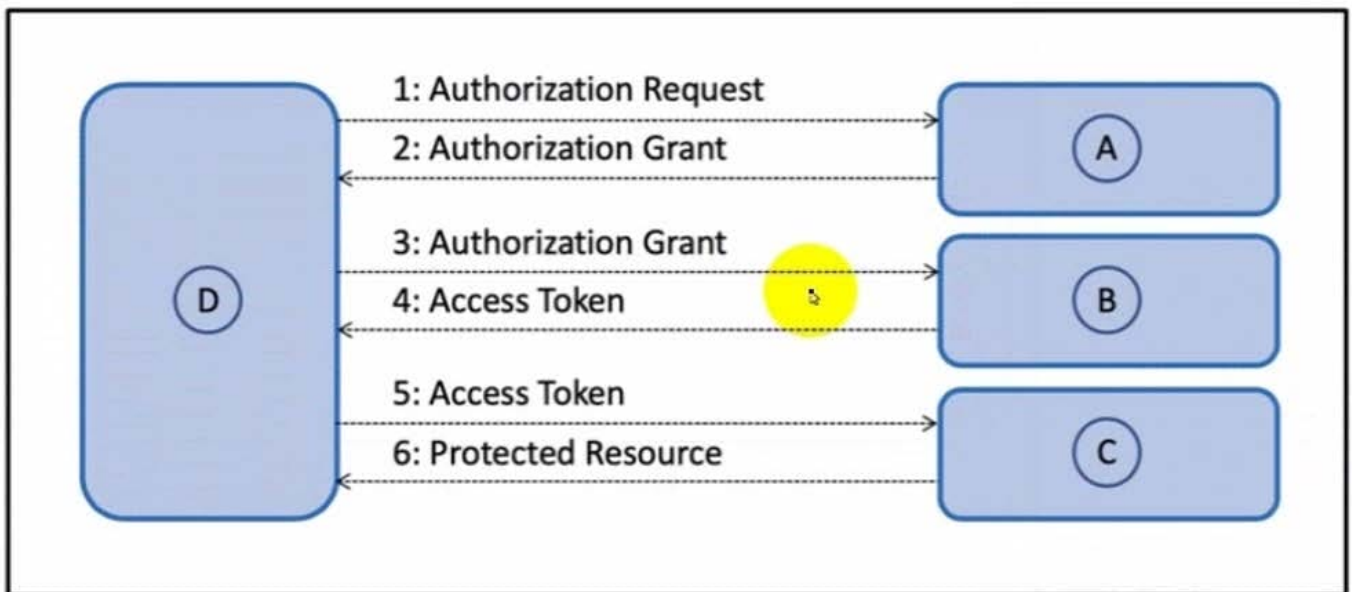C. Option C

D. Option D

E. Option E

Correct Answer: CE

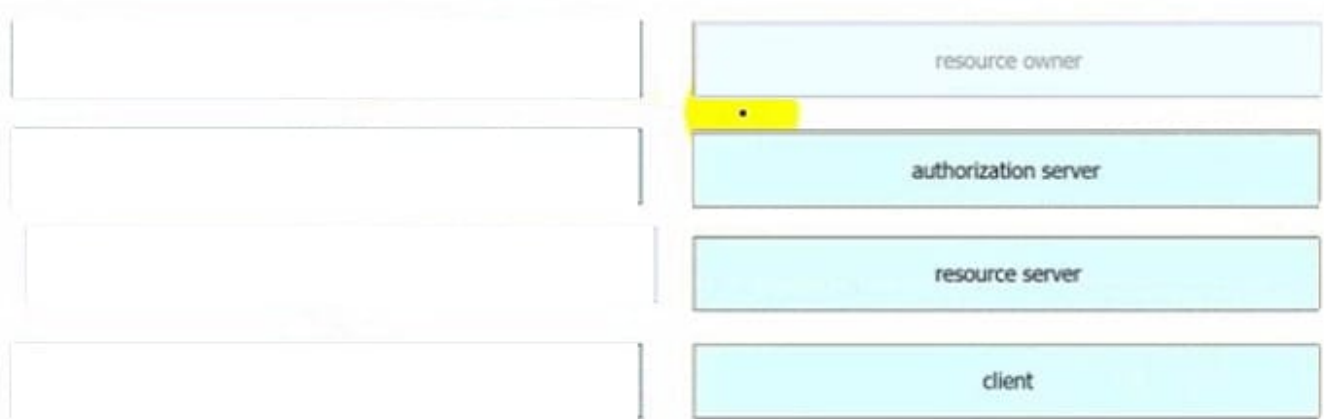**QUESTION 2**

DRAG DROP

Refer to the exhibit.

Drag and drop the components from the Oauth2 authorization protocol flow on the left onto the letter that matches the location in the exhibit.

Select and Place:

Correct Answer:

		resource owner	4 / 6
		•	
		authorization server	
		resource server	
		client	

QUESTION 3

What are two building blocks of the 12-factor app? (Choose two.)

A. Stateful Processes

B. Easy access to underlying systems

C. Dev and Prod must be different

D. One codebase

E. Isolated Dependencies

Correct Answer: DE

QUESTION 4

Refer to the exhibit.

```
from paramiko import SSHClient
from os import environ

host = ["N3172-TOR-01.widgets.com", "N3172-TOR-02.widgets.com", "N9336C-LEAF-01.widgets.com",
        "N31108-BORDER-LEAF-01.widgets.com"]
backup_server = "central-server-01.widget.com"


class ConnectionManager:

    def nc(u, p):
        client = SSHClient()
        return client.connect(host, username=u, password=p)

    def nc(key):
        client = SSHClient()
        return client.connect(host, pkey=key)

if __name__ == "__main__":
        cm = ConnectionManager()
        for i in host:
            try:
                if i.index("TOR") != -1:
                    conn = cm.nc(environ["PRIVATE_KEY"])
                else:
                    conn = cm.nc(environ["USER"], environ["PASSWD"])
                    conn.exec_command(f"copy running-config scp://{backup_server}/backups/{i}")
            except Exception as e:
                print(f"The host {i} failed to backup properly. ({str(e)})")
            else:
                conn.close()
```

A developer must review an intern\\\'s code for a script they wrote to automate backups to the storage server. The script must connect to the network device and copy the running- config to the server.

When considering maintainability, which two changes must be made to the code? (Choose two.)

A. Rename the class to "ArchiveManager".

B. The code is incorrect because the class does not have an __init__() method.

C. The command sent to the network device is incorrect.

D. Refactor the code placing the "for" loop steps inside a single nc method.

E. The intern must use IP addresses because DNS is unreliable.

Correct Answer: CD

QUESTION 5

FILL BLANK

A local Docker image has an image ID of 386231131. Fill in the blanks to complete the command in order to tag the image into the "cisco" repository with "version1 0\\\'".

$ docker tag [   ] [   ]

Correct Answer: See explanation below

$docker tag 386231131 cisco/386231131:version1.0