200-901 Q&As

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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QUESTION 1

Refer to the exhibit.

```
leaf IPPeer {
  type union {
    type inet:ipv4-address;
    type inet:ipv6-address;
  }
}
```

What is the value of the node defined by this YANG structure?

A.
```
{
 "IPPeer": [
   "10.1.1.1"
 ]
}
```

B.
```
{
 "IPPeer": "10.1.1.1 2001:db::1"
}
```

C.
```
{
 "IPPeer": "10.1.1.1"
}
```

D.
```
{
 "IPPeer": [
   "10.1.1.1",
   "2001:db::1"
 ]
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 2

A new application is being developed that requires the ability to be copied and moved from one location to another. The existing infrastructure is already heavily utilized, so the new application must have a low resource footprint. The application includes a small PostgreSQL database component. Which application deployment type meets the requirements?

A. virtual machine

B. Python virtual environment

C. container

D. bare metal

Correct Answer: C

QUESTION 3

Refer to the exhibit.

```
FROM ubuntu:18.04
COPY . /app
RUN make /app
CMD python /app/app.py
```

What is the result of running the Dockerfile?

A. Copy the directory /app from the ubuntu:18.04 image, build it with make, and execute the application with the Python command.

B. Copy the directory app from the current directory of the Docker client, execute the application with make, and after it runs, execute an additional application.

C. Copy the directory app from the current directory of the Docker client, build it with make, and execute the application with the Python command.

D. Copy the /app directory from the ubuntu:18.04 image, execute the application with make, and after it runs, execute an additional application.

Correct Answer: C

QUESTION 4

Refer to the exhibit.

class ucsmsdk.ucshandle.**UcsHandle**(*ip, username, password, port=None, secure=None, proxy=None*)

Bases: **ucsmsdk.ucssession.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, UcsHandle, which code snippet creates a handle instance?

A.
```
#!/usr/bin/env python3
from ucsmsdk.ucshandle import UcsHandle
handle = UcsHandle("10.1.2.254", "admin", "password",
    port="443", secure=True)
```
B.
```
#!/usr/bin/env python3
from ucsmsdk.ucshandle import UcsHandle
handle = UcsHandle(ip="10.1.2.254", username="admin",
    password="password", port=443, secure=True)
```
C.
```
#!/usr/bin/env python3
from ucsmsdk.ucshandle import UcsHandle
handle = UcsHandle("10.1.2.254", "admin", "password",
    port="443", secure=1)
```
D.
```
#!/usr/bin/env python3
import ucsmsdk.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: B

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

QUESTION 5

A developer is creating a script to interact with a REST API service which requires basic authentication. The credentials are "devnet:391665405" and the Base64 encoding of the credentials is "GV2bmV0dXNlcjpDaXNj=". Which payload and

header combination must be used for authentication?

A.
```
payload = {
    'Authorization' : 'Basic GV2bmV0dXNlcjpDaXNj=',
    'Content-Type' : 'application/json'
}
headers= {}
```

B.
```
payload = {}
headers= {
    'Authorization' : 'Basic GV2bmV0dXNlcjpDaXNj=',
    'Content-Type' : 'application/json'
}
```

C.
```
payload = {
    'Authorization' : 'Bearer GV2bmV0dXNlcjpDaXNj=',
    'Content-Type' : 'application/json'
}
headers= {}
```

D.
```
payload = {}
headers= {
    'Authorization' : 'Bearer GV2bmV0dXNlcjpDaXNj=',
    'Content-Type' : 'application/json'
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

https://developer.cisco.com/docs/epnm/#!how-to-authenticate/authorization