Vendor: Cisco

Exam Code:200-901

Exam Name: Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

Version: Demo

QUESTION 1

What is the function of an IP address in networking?

A. represents a network connection on specific devices

B. specifies the type of traffic that is allowed to roam on a network

C. specifies resource\\'s location and the mechanism to retrieve it

D. represents the unique ID that is assigned to one host on a network

Correct Answer: D

QUESTION 2

Refer to the exhibit.

```
1     from requests import request
2     from requests.auth import HTTPBasicAuth
3     from sys import argv
4     url = "https://"+ argv[1] +":443/restconf/data/native/ip/route"
5     auth = HTTPBasicAuth('developer', 'C1sco12345')
6     payload = {
7         "Cisco-IOS-XE-native:route": {
8             "ip-route-interface-forwarding-list": [
9                 {
10                    "prefix": argv[2],
11                    "mask": argv[3],
12                    "fwd-list": [
13                        {
14                            "fwd": "GigabitEthernet2",
15                            "interface-next-hop": [
16                                {
17                                    "ip-address": argv[4]
18                                }
19                            ]
20                        }
21                    ]
22                }
23            ]
24        }
25    }
26    headers = {
27        'Content-Type': 'application/yang-data+json',
28        'Accept': 'application/yang-data+json',
29    }
30    response = request("PATCH", url, auth=auth, headers=headers, json = payload,
  .   verify=False)
```

A network engineer must change the configuration on devices daily. The Python script must collect CLI arguments from

the user, organize data according to the Cisco-IOS-XE-native YANG model, and utilize Cisco REST APIs to make the configuration. Which workflow is being automated by the Python script?

A. updating an existing route on the device

B. adding a new route to a device

C. including a route on the device and overwriting the current routes

D. deleting the route that is passed through the command-line variables

Correct Answer: B

PUT - replaces the whole routing table PATCH - added the route to the existing

-but if the route with ip mask and gw already exists, it does nothing

(checked this with route options name, tag, distanceand multicast in the route before using the script)

QUESTION 3

Refer to the exhibit. A developer got this output during the development of an application. Which action produces this output?

```
--- maketransitcurve.py2020-04-13 16:30:32.000000000 -0600
+++ maketransitmovie.py2020-04-13 16:30:32.000000000 -0600
@@ -1,79 +1,87 @@
-from _future_ import print_function
-
+#"""
+#Matplotlib Animation Example

+from _future_ import print_function
 import numpy as np
```

A. execution of a Python script with numpy library

B. enhancement to Python numpy library

C. upload of a script to a git repository

D. file comparison within the unified diff format

Correct Answer: D

QUESTION 4

Which network device forwards packets between networks?

A. router

B. load balancer

C. firewall

D. switch

Correct Answer: D

QUESTION 5

Which REST architectural constraint indicates that no client context should be stored on the server between requests?

A. cacheable

B. stateless

C. uniform interface

D. client-server

Correct Answer: B

Reference: https://developer.cisco.com/docs/nx-os/#!representational-state-transfer-rest

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QUESTION 6

Which CI/CD component allows for the storing of code packages and enables the testing of the same code that is running on the live system?

A. Artifactory

B. Jira

C. ITSM

D. Git

Correct Answer: A

"Git is used for source code and Artifactory is used for the binaries which go with the source code." Source: https://foxutech.medium.com/what-is-jfrog-artifactory-its-component-and-features-d0dbe85482ff

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QUESTION 7

A REST API service requires basic authentication. A user\\'s credentials are "ned/33662255" and the Base64 encoding of the credentials is "a2lsbGE6ND4ODI5". Which requirement must be met for a request to be authenticated?

A. The header must include: Authorization: Basic a2lsbGGE6NDU4ODI5

B. The payload must include: Authorization: Basic a2lsbGGE6NDU4ODI5

C. The header must include: username: ned, password: 33662255

D. The payload must include: username: ned, password: 33662255

Correct Answer: A

QUESTION 8

A developer creates a script that configured multiple Cisco IOS XE devices in a corporate infrastructure. The internal test environment is unavailable, and no maintenance window is available to test on a low-priority production environment. Which resource is used to test the code before it is applied to the production environment?

A. Code Exchange

B. Cisco DevNet Learning Labs

C. Cisco DevNet Sandbox

D. Cisco Support

Correct Answer: C

Reference: https://developer.cisco.com/site/sandbox/

QUESTION 9

Which device is used to transport traffic from one broadcast domain to another broadcast domain?

A. layer 2 switch

B. proxy server

C. router

D. load balancer

Correct Answer: C

QUESTION 10

What is a function of an application load balancer?

A. automatic distribution of TCP traffic

B. automatic distribution of HTTP and HTTPS traffic

C. manual distribution of TCP traffic

D. manual distribution of HTTP and HTTPS traffic

Correct Answer: B

"application load balancer" = layer-7, same as HTTP/S

QUESTION 11

A company has written a script that creates a log bundle from the Cisco DNA Center every day. The script runs without error and the log bundles are produced. However, when the script is run during business hours, people report poor voice quality of phone calls. What explains this behavior?

A. The script is written in a low-level programming language where there is no memory safety. This causes a buffer overflow and disruption on the network.

B. The speed and duplex settings in Cisco DNA Center are set incorrectly, which causes the transfer to be too slow.

C. The script is running in the Voice VLAN and causes delays and jitter in the subnet.

D. Generating the logs causes the CPU on the network controller to spike, which causes delays in forwarding the voice IP packets.

Correct Answer: C

QUESTION 12

Several teams at a company are developing a new CRM solution to track customer interactions with a goal of improving customer satisfaction and driving higher revenue. The proposed solution contains these components:

1.

 MySQL database that stores data about customers

2.

 HTML5 and JavaScript UI that runs on Apache

3.

 REST API written in Python

What are two advantages of applying the MVC design pattern to the development of the solution? (Choose two.)

A. to enable multiple views of the same data to be presented to different groups of users

B. to provide separation between the view and the model by ensuring that all logic is separated out into the controller

C. to ensure data consistency, which requires that changes to the view are also made to the model

D. to ensure that only one instance of the data model can be created

E. to provide only a single view of the data to ensure consistency

Correct Answer: AB