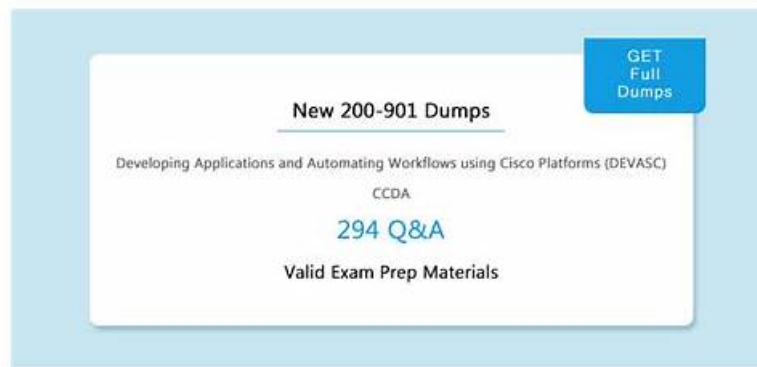


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Cisco DevNet Associate Exam Sample Questions (Q129-Q134):

NEW QUESTION # 129

What is the purpose of the Cisco VIRL software tool?

- A. To test performance of an application
- B. To verify configurations against compliance standards
- C. To automate API workflows
- D. To simulate and model networks

Answer: D

Explanation:

Reference:

Cisco VIRL (Virtual Internet Routing Lab) is a powerful network simulation platform designed to simulate and model networks. It allows users to create and test network topologies, run simulations, and visualize network behavior in a controlled virtual environment. This tool is particularly valuable for network engineers and administrators to test configurations, troubleshoot issues,

and validate network designs without the need for physical hardware.

NEW QUESTION # 130

Which port does HTTPS use by default?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: C

Explanation:

HTTPS (Hypertext Transfer Protocol Secure) uses port 443 by default. This port is used to secure communications over a computer network, particularly over the internet, by encrypting data between the client's browser and the web server using SSL/TLS.

References:

* Cisco DevNet Documentation - Ports and Protocols

* Cisco DevNet Associate Certification Guide

NEW QUESTION # 131

Drag and Drop Question

Drag and drop the code from the bottom onto the box where the code is missing to obtain an authorization token by using the Cisco DNA Center API. Not all options are used.

```
def dnac_login(host, username, password):  
    url = "https://{}/api/system/v1/ {}".format(host,  
    response = requests.request(" ", url,  
        auth= (username, password),  
        headers=headers, verify=False)  
    return .json()["Token"]
```

token

auth/token

response

request

HTTPBasicAuth

HTTPTokenAuth

POST

Answer:

Explanation:

```
def dnac_login(host, username, password):  
    url = "https://{}/api/system/v1/ auth/token ".format(host)  
    response = requests.request(" POST ", url,  
                                auth= HTTPBasicAuth (username, password),  
                                headers=headers, verify=False)  
    return response .json() ["Token"]
```

token

request

HTTPTokenAuth

NEW QUESTION # 132

A developer is reviewing a code that was written by a colleague. It runs fine, but there are many lines of code to do a seemingly simple task repeatedly. Which action organizes the code?

- A. Modify the code to use loops
- B. Reverse engineer and rewrite the code logic
- C. Using functions, rewrite any pieces of code that are repeated
- D. Refactor the code by removing any unnecessary tests

Answer: C

Explanation:

When a developer encounters many lines of code doing repetitive tasks, refactoring the code to use functions is a standard practice. This reduces code duplication and enhances readability and maintainability. Functions encapsulate repetitive logic, making the code cleaner and more organized.

Reference: Cisco DevNet Associate Certification Guide, Chapter on Software Development and Design .

NEW QUESTION # 133

```

1  import requests
2  from requests.auth import HTTPBasicAuth
3  BASE_URL = 'https://<IP ADDRESS or FQDN>'
4  AUTH_URL = '/dna/system/api/v1/auth/token'
5  TOKEN = '<TOKEN>'
6
7  headers = {'X-Auth-Token': TOKEN, 'Content-Type': 'application/json'}
8
9  DEVICES_COUNT_URL = '/dna/intent/api/v1/network-device/count'
10 DEVICES_URL = '/dna/intent/api/v1/network-device'
11 DEVICES_BY_ID_URL = '/dna/intent/api/v1/network-device/'
12
13 def devices_func(headers):
14     response = requests.get(BASE_URL + DEVICES_COUNT_URL,
15                             headers=headers, verify=False)
16     return response.json()['response']
17
18 def devices_test(headers, query_string_params):
19     response = requests.get(BASE_URL + DEVICES_URL, headers=headers,
20                             params=query_string_params, verify=False)
21     return response.json()['response']
22
23 def devices_info(headers, device_id):
24     response = requests.get(BASE_URL + DEVICES_BY_ID_URL + device_id,
25                             headers=headers, verify=False)
26     return response.json()['response']
27
28 print(devices_func(headers))
29 print(devices_test(headers, {}))
30 print(devices_test(headers, {'hostname': 'CSR1Kv-01.devnet.local'}))
31 response = devices_test(headers, {'platformId': 'C9500-40X'})
32 print(devices_info(headers, response[0]['id']))

```

Refer to the exhibit. An engineer prepares a script to automate workflow by using Cisco DNA Center APIs to display:

- total count of devices
- list of the network devices
- information of one device with a hostname filter

What is displayed in the final step after the Python script is executed?

- A. information about the test devices
- B. information about a device of type C9500-40x.
- C. list of devices with platformId C9500-40x
- D. filtered results by the hostname and the platformId C9500-40X

Answer: D

Explanation:

The Python script shown in the exhibit is designed to interact with Cisco DNA Center APIs. Here's a step-by-step breakdown of what the script does:

- * It imports necessary libraries and sets the BASE_URL, AUTH_URL, and TOKEN for authentication.
- * It defines the headers to include the authentication token and content type.
- * It constructs URLs for fetching the device count, all devices, and devices by ID.
- * The devices_func function makes a GET request to fetch the total count of devices.
- * The devices_test function fetches a list of network devices based on query parameters.
- * The devices_info function retrieves detailed information about a specific device using its ID.
- * The script then prints the total count of devices, all devices, and filtered device information based on the hostname and platform ID.

In the final step, after executing the script, it fetches devices with the hostname "CSR1Kv-01.devnet.local" and then filters the list by platform ID "C9500-40X". This results in displaying the filtered information about the device that matches both the hostname and platform ID criteria.

References:

- * Cisco DevNet Associate Certification Guide
- * Cisco DNA Center API Documentation

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