Cisco

Exam Questions 200-901

Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)

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NEW QUESTION 1
- (Exam Topic 2)
Into which type of Python data structure should common data formats be parsed?

A. sequence
B. set
C. dictionary
D. list

Answer: C

NEW QUESTION 2
- (Exam Topic 2)
Refer to the exhibit.

```
import requests
from requests.auth import HTTPBasicAuth
headers = {'Content-Type': 'application/json'}
base_url = 'https://10.1.2.3'
auth_url = '/dna/system/api/v1/auth/token'
devices_url = '/dna/intent/api/v1/network-device'

token = requests.post(
    base_url + auth_url, headers=headers,
    auth=HTTPBasicAuth(username="admin", password="DevNet123"))
data = token.json()

query_string_params = {'platformId': 'C9500-40X'}
response = requests.get(
    base_url + devices_url, headers=headers,
    params=query_string_params)
print(f'{response.code}')
```

A network engineer must manage the network devices. The engineer prepares a Python scripts to authenticate to the Cisco to DNA Center API and request a device list. The device request fails and returns errors code 401. Which action solves the problem?

A. Update the API UR
B. which matched the API endpoint for device list.
C. Send the request to another network in case there are reachability Issues.
D. Send the Authentication header In the request with a valid configuration.
E. Update the credentials that are already supplied and retry the request

Answer: D

NEW QUESTION 3
- (Exam Topic 2)
Drag and drop the types of management from the left onto the levels at which they are performed on the right.

user and programmability interaction through the use of lower level APIs	Controller level
user and programmability interaction through the use of Northbound APIs	
iterate over a list of devices	
configure features with YANG models	Device level

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated with medium confidence

NEW QUESTION 4
- (Exam Topic 2)
Which protocol runs over TCP port 23?

A. SSH

B. NETCONF
C. HTTP
D. Telnet

Answer: D

NEW QUESTION 5
- (Exam Topic 2)
Drag and drop the code from the bottom onto the box where the code is missing in the Python script to complete a function to return all the clients on a network by using the Cisco Meraki Dashboard API. Not all options are used.

```
import requests
import json
url = 'https://dashboard.meraki.com/api/v0/'

headers = {'                          ': '0110c4e1b8a1',
           'Content-Type': '                      '}
orgs = json.loads(requests.get(url+'organizations', headers=headers).text)

for org in orgs:
    nets = json.loads(requests.get(url+'organizations/'+org['id']+'/networks',
        headers=headers).text)
    for net in nets:
        clients = json.loads(requests.get(
            url+ '               '/'+net['id']+'/                  ',
            headers=headers).text)
        for client in clients:
            print(client['ip'])
```

client	application/json
application/xml	clients
X-Cisco-Meraki-API-Key	networks
Authorization: Bearer	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
import requests
import json
url = 'https://dashboard.meraki.com/api/v0/'

headers = {' X-Cisco-Meraki-API-Key ': '0110c4e1b8a1',
           'Content-Type': ' application/json '}
orgs = json.loads(requests.get(url+'organizations', headers=headers).text)

for org in orgs:
    nets = json.loads(requests.get(url+'organizations/'+org['id']+'/networks',
        headers=headers).text)
    for net in nets:
        clients = json.loads(requests.get(
            url+ ' clients '/'+net['id']+'/ networks ',
            headers=headers).text)
        for client in clients:
            print(client['ip'])
```

client	
application/xml	
Authorization: Bearer	

NEW QUESTION 6
- (Exam Topic 2)
A developer has created a new image to use in a Docker build and has added a tag for the image by using the command:
$ docker tag 84fe411926287 local/app:0.4
Which command must be executed next to build the Docker image using the tag?

A. $ docker build -p local/app:0.4
B. $ docker run -t local/app:0.4

C. $ docker run -p local/app:0.4
D. $ docker build -t local/app:0.4

Answer: D

NEW QUESTION 7
- (Exam Topic 2)
Refer to the exhibit.

```
import requests
from requests.auth import HTTPBasicAuth
from config import url, username, password
response = requests.login(url, auth=HTTPBasicAuth (username, password), verify=False)
print response.status_code
```

The script returns an output of 401. To use the supplied URL. an HTTP GET request must Be sent with an Authorization header. The header value is a BaseG4 encoded concatenation of the username and password. Which action must be taken to return an output of 200?

A. Change the verify=False setting in the request to verify=True to enable HTTP Basic authentication
B. Modify the method from LOGIN to GET and supply the username ;password value as JSON payload
C. Verify that the username and password values imported from the configuration file ate still valid.
D. Insert an Authorization header with the values username password from the supplied configuration file.

Answer: C

NEW QUESTION 8
- (Exam Topic 2)
What are two functions of a routing table on a network device? (Choose two.)

A. It lists entries more than two hops away.
B. It lists the routes to a particular destination.
C. It lists the routes to drop traffic.
D. It lists hosts that are one hop away.
E. It lists the static and dynamic entries.

Answer: BE

NEW QUESTION 9
- (Exam Topic 2)
What are two properties of private IP addresses? (Choose two.)

A. They can be used to access the Internet directly.
B. They are more secure than public IP addresses.
C. They are not globally unique.
D. They can be repeated within the same local network.
E. They are controlled globally by an IP address registry.

Answer: BD

NEW QUESTION 10
- (Exam Topic 2)
A new application is being developed with specific platform requirements. The platform and application deployment and the ongoing platform management must be fully automated. The application includes a large database component that has significant disk I/O requirements. Which application deployment type meets the requirements?

A. Python virtual environment
B. virtual machine
C. bare metal
D. container

Answer: B

NEW QUESTION 10
- (Exam Topic 2)
What is the purpose of the first three pairs of digits in a MAC address?

A. defines a routing identifier for the client
B. indicates the IP address of the client in Hex
C. defines packet forwarding priority sent or received by the adapter
D. indicates vendor of the network card or adapter

Answer: D

NEW QUESTION 15
- (Exam Topic 2)
What are two use cause where webhooks are effective? (Choose two.)

A. Close a session with a web server after a specific amount of time.
B. Filter out information from a response to an API call
C. Change the response format or content type of an API call.
D. Inform a previously defined chat channel after a deployment fate.
E. Send an email to a customer of an online store after payment is complete

Answer: DE

NEW QUESTION 16
- (Exam Topic 2)
What is the function of IP address in networking?

A. specifies the type of traffic that is allowed to roam on a network
B. represents the unique ID that is assigned to one host on a network
C. specifies resource's location and the mechanism to retrieve it
D. represents a network connection on specific devices

Answer: B

NEW QUESTION 20
- (Exam Topic 2)
In the test-driven development model, what is changed after a test fails?

A. test
B. schedule
C. project requirements
D. code

Answer: D

Explanation:
Reference:
https://www.guru99.com/test-driven-development.html#:~:text=In%20simple%20terms%2C%20test%20cases,c

NEW QUESTION 23
- (Exam Topic 2)
Which tool is used to block all traffic to the domain by using a single API call?

A. Cisco ISE
B. Cisco Firepower
C. Cisco AMP
D. Cisco Umbrella

Answer: B

NEW QUESTION 26
- (Exam Topic 2)
Refer to the exhibit.

A developer needs to automatically retrieve all of the messages of a Webex room with the roomld of HY2l2Y292cGFyazovL3Vz397748444YjU5NjAtNTk0ZJ0xMWVhLTk0Mj". Using the Webex API documentation shown, drag and drop the code snippets from below onto the code to complete the Python script to list all of the messages in the room. Not all options are used.

```
import requests

webex_token = "NDA2OGV...f0-4434-a696-84fee4047e0a"

room_id = "Y2lzY29zcGF...jU5NjAtNTk0Zi0xMWVhLTk0Mj"

url = "https://webexapis.com/v1/ [          ]   [          ] =" + [          ]

payload = []
headers = {
   'Authorization': 'Bearer ' + [          ]
}

response = requests.request("GET", url, headers=headers, data = payload)

print(response.text.encode('utf8'))
```

| webex_token | room | room_id |
| messages? | roomId | messages |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface Description automatically generated with medium confidence

NEW QUESTION 31
- (Exam Topic 2)
What are two benefits of using VLANs? (Choose two.)

A. limits the devices that can join the network
B. segments the broadcast domain
C. extends the broadcast domain
D. allows all network devices to be accessible from any host on the network
E. enables the logical grouping of devices that belong to different Layer 2 devices

Answer: BE

NEW QUESTION 36
- (Exam Topic 2)
An engineer must configure Cisco Nexus devices and wants to automate this workflow. The engineer enables the Cisco NX-OS REST API to configure the devices by using an Ansible playbook. Before running the code,
which resource must be used to verify that the code works correctly?

A. Cisco NX-OS SDK
B. Cisco Learning Labs
C. Cisco Code Exchange
D. Cisco Modeling Labs

Answer: A

NEW QUESTION 38
- (Exam Topic 2)
Refer to the exhibit.

OWASP_threats

← → C ⊘ http://**example.com**/index.php?user=<script>alert(I want to pass the DevNet Associate Exam.)</script>

This is not a secure web page.

This page says
I want to pass the DevNet Associate Exam.

OK

OWASP threat does this example demonstrate?

A. Broken access control
B. SQL injection
C. Man-in-the-middle
D. Cross-site-scripting

Answer: D

NEW QUESTION 39
- (Exam Topic 2)
What is a requirement when authenticating a RESTCONF API session with a router that runs Cisco IOS XE Software?

A. No authentication is required.
B. OAuth must be used.
C. Basic authentication must be used.
D. A token must be retrieved and the associated string must be embedded in the X-Auth-Token header.

Answer: C

Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/csr1000/software/restapi/restapi/RESTAPIclient.html

NEW QUESTION 42
- (Exam Topic 2)
A developer is working on a feature for a new application. The changes in the existing branch named 'feat00304' must be integrated into a single commit with the current working primary branch named 'prodapp411926287'. Which git command must be used?

A. git rebase --merge feat00304
B. git merge --squash feat00304
C. git push --rebase feat00304
D. git checkout --squash feat00304

Answer: B

NEW QUESTION 43
- (Exam Topic 2)
Refer to the exhibit.

```
1    - hosts: servers
2      tasks:
3
4      - name: task1
5        apt:
6          name: apache2
7          state: absent
8
9      - name: task2
10       apt:
11         name: nginx
12         state: present
13
14     - name: task3
15       apt:
16         name: "*"
17         state: latest
```

A developer must check packages on web load balancers that use nginx packages. The developer updates the servers as required in Ansible inventory and prepares an Ansible playbook to automate this workflow on related servers. Which process is being automated by the Ansible playbook?

A. verifying that nginx is installed only if apache2 is unavailable on the system, and then updating all the other packages
B. verifying, without installing, that apache2 is unavailable and that nginx is installed, and then updating the repository to the latest version
C. uninstalling the apache2 server, installing the nginx server, and then updating all the packages to the latest version
D. installing nginx, uninstalling apache2, and then verifying that the package repository is at the latestversion

Answer: B

NEW QUESTION 46
- (Exam Topic 2)
Refer to the exhibit.

```
 1  #/bin/bash
 2
 3  curl https://ciscodevnet.com/devnet-0.13.tar.gz -o /tmp/devnet.tar.gz
 4  tar -zxf /tmp/devnet.tar.gz
 5  mkdir /tmp/devnet && pushd /tmp/devnet
 6
 7  ./configure && make && make install
 8
 9  systemctl enable devnet
10  systemctl start devnet
```

A network engineer works on a Cisco DevNet application that is available for download on the Cisco DevNet website. The engineer prepares a bash script to automate operations that relate to the application. Which workflow is being automated in the bash script?

A. compilation and configuration of the Cisco DevNet application so that it must be started manually
B. compilation, installation, and configuration of the Cisco DevNet application so that it starts automatically
C. compilation and installation of the Cisco DevNet application for an autonomous deployment model
D. installation and configuration of the Cisco DevNet application so that it starts manually

Answer: B

NEW QUESTION 49
- (Exam Topic 2)
What is used in JSON to represent a Python Tuple?

A. Object
B. Array
C. Dict
D. Collection

Answer: B

NEW QUESTION 51
- (Exam Topic 2)
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:
• MySQL database that stores data about customers
• HTML5 and JavaScript UI that runs on Apache
• 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

Answer: BD

NEW QUESTION 53
- (Exam Topic 2)
Refer to the exhibit.

```
$ sh script.sh
Traceback (most recent call last):
  File "script.py", line 2, in <module>
    api = WebexTeamsAPI()
  File "/opt/.venv/pyvenv35/lib/python3.5/site-packages/webexteamssdk/api/__init__.py", line 112,
in __init__
    "You must provide a Webex Teams access token to interact with "
webexteamssdk.exceptions.AccessTokenError: You must provide a Webex Teams access token to interact
with the Webex Teams APIs, either via a WEBEX_TEAMS_ACCESS_TOKEN environment variable or via the
access_token argument.
$
$
$ cat script.sh
#!/bin/bash

python script.py
$
```

Which line must be included in the Bash script for the Python code to succeed?

A. define WEBEX_TEAMS_ACCESS_TOKEN=your_access_token_here
B. export WEBEX_TEAMS_ACCESS_TOKEN=your_access_token_here
C. set WEBEX_TEAMS_ACCESS_TOKEN=your_access_token_here
D. WEBEX_TEAMS_ACCESS_TOKEN=your_access_token_here

Answer: B

NEW QUESTION 56
- (Exam Topic 2)
Refer to the exhibit.

```
module ietf-ip {                              module ietf-interfaces {
  namespace "urn:ietf:params:xml:ns:yang:ietf-ip";     namespace "urn:ietf:params:xml:ns:yang:ietf-
  prefix ip;                                              interfaces";
  import ietf-interfaces {                      prefix if;
    prefix if;                                  typedef interface-ref {
  }                                               type leafref {
  augment "/if:interfaces/if:interface" {           path "/if:interfaces/if:interface/if:name";
    container ipv4 {                              }
      leaf enabled {                           }
        type boolean;                        }
        default true;                        container interfaces {
      }                                        list interface {
      list address {                            key "name";
        key "ip";                               leaf name {
        leaf ip {                                 type string;
          type inet:ipv4-address-no-zone;       }
        }                                       leaf description {
        choice subnet {                           type string;
          mandatory true;                       }
          leaf prefix-length {                  leaf type {
            type uint8 {                          type identityref {
              range "0..32";                        base interface-type;
            }                                     }
          }                                       mandatory true;
          leaf netmask {                        }
            type yang:dotted-quad;            leaf enabled {
          }                                       type boolean;
        }                                         default "true";
      }                                         }
    }                                         }
  }                                         }
}                                         }
```

Which JSON snippet configures a new interface according to YANG model?
A)
```
"ietf-interfaces:interface": {
  "name": "Loopback100",
  "enabled": true,
  "ietf-ip:ipv4": {
    "address": [
    {
      "ip": "10.255.254.1",
      "netmask": "255.255.255.0"
    } ] }
}
```
B)
```
"ietf-interfaces": {
  interface": {
    "name": "Loopback100",
    "enabled": true,
    "ietf-ip": {
      ipv4": {
        "address": [
        {
          "ip": "10.255.254.1",
          "netmask": "255.255.255.0"
        } ] } }
}
```
C)
```
" interface"  {
  "name": "Loopback100",
  "enabled": true,
  "ipv4": {
    "address": [
    {
      "ip": "10.255.254.1",
      "netmask": "255.255.255.0"
    } ] }
}
```
D)

```
"ietf-interfaces:interface": {
  "name": "Loopback100",
  "enabled": true,
  "ietf-ip:ipv4:address": [
    {
      "ip": "10.255.254.1",
      "netmask": "255.255.255.0"
    } ]
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 61
- (Exam Topic 2)
Which tool allows changes to the configuration management toolset to be tested?

A. Cisco VIRL
B. NAPALM
C. Ansible
D. pyATS

Answer: D

NEW QUESTION 62
- (Exam Topic 2)
Refer to the exhibit.

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:Netconf:base:1.0">
  <get-conflg>
    <source>
      <running/>
    </source>
    <filter>
      <interfaces xmlns=" urn:ietf:params:xml:ns:yang:ietf-interfaces">
        <interface>
          <name/>
        </interface>
      </interfaces>
    </filter>
  </get-config>
</rpc>
```

A network engineer uses model-driven programmability to monitor and perform changes on the network. The network engineer decides to use the NETCONF RPC message to complete one of their tasks. What is accomplished by sending the RPC message?

A. The running-config of the device is returned.
B. The name of each interface is reset to a default name.
C. All the YANG capabilities supported by the device are returned.
D. A list of interface names is returned.

Answer: D

NEW QUESTION 64
- (Exam Topic 2)
Which protocol must be allowed on the firewall so that NTP services work properly?

A. ICMP
B. BGP
C. UDP
D. TCP

Answer: C

Explanation:
Reference:
https://www.cisco.com/c/en/us/support/docs/ip/network-time-protocol-ntp/108076-ntp-troubleshoot.html

NEW QUESTION 69

- (Exam Topic 2)
What does a load balancer distribute in a network environment?

A. outgoing connections to the network
B. incoming traffic across multiple servers
C. different TCP connections to the routers
D. traffic in the network by leveraging the switch architecture

Answer: B

NEW QUESTION 71
- (Exam Topic 2)
Which HTTP response code should be returned when the request is completed, but there is no content to send for the request?

A. A.-100B.204C.302D.402

Answer: B

Explanation:
Reference: https://developer.mozilla.org/en-US/docs/Web/HTTP/Status#successful_responses

NEW QUESTION 75
- (Exam Topic 2)

```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2009 12:28:53 GMT
Server: nginx
Last-Modified: Wed, 22 Jan 2020 19:15:56 GMT
Content-Length: 88
Content-Type: application/json
Connection: keep-alive

{
    "id": "y123987jdkl",
    "status: "online",
    "type": "switch"
}
```

Which data is specified in the response header?

A. {"id": "y123987jdkl". HTTP/1.1 200 OK"status: "online", "type": "switch"}
B. HTTP/1.1 200 OK
C. "type", "switch"
D. Content-Type

Answer: B

NEW QUESTION 78
- (Exam Topic 1)
Which action resolves a 401 error in response to an HTTP GET that is issued to retrieve statement using RESTCONF on a CSR 1000V?

A. Change the HTTP method to PUT.
B. Change the transport protocol to HTTPS.
C. Check the MIMF types in the HTTP headers.
D. Check the authentication credentials.

Answer: D

NEW QUESTION 80
- (Exam Topic 1)
Fill in the blanks to complete the statement.
Given a username of "devnet" And a password "Cisco123", applications must create a base64 encoding of the string " _____ " when sanding HTTP requests to an API that uses _____ authentication.

Given a username of "devnet" and a password of "cisco123", applications must create a base64 encoding of the string "_____" when sending HTTP requests to an API that uses _____ authentication.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution as below

Given a username of "devnet" and a password of "cisco123", applications must create a base64 encoding of the string "`devnet:cisco123`" when sending HTTP requests to an API that uses `Basic` authentication.

NEW QUESTION 81
- (Exam Topic 1)
What are two advantages of version control software? (Choose two.)

A. It supports tracking and comparison of changes in binary formate files.
B. It allows old versions of packaged applications to be hosted on the Internet
C. It provides wiki collaboration software for documentation.
D. It supports comparisons between revisions of source code files.
E. It allows new team members to access the current code and history.

Answer: DE

NEW QUESTION 84
- (Exam Topic 1)
What is a function of the default gateway in a network?

A. to drop traffic that is destined to the default gateway
B. to drop traffic that is not destined to the default gateway
C. to forward traffic to the same subnet
D. to forward traffic to different subnets

Answer: D

NEW QUESTION 85
- (Exam Topic 1)
What are two benefit of managing network configuration via APIs? (Choose two.)

A. configuration on devices becomes less complex
B. more security due to locking out manual device configuration
C. increased scalability and consistency of network changes
D. eliminates the need of legacy management protocols like SNMP
E. reduction in network changes performed manually

Answer: CE

NEW QUESTION 87
- (Exam Topic 1)
Which action does the Git command git merge allow the development to perform?

A. Combine multiple sequence of commits into one unified history.
B. Push changes to the remote repository
C. Switch between branches
D. Create, list, rename, and delete branches

Answer: A

Explanation:
Reference: https://www.atlassian.com/git/tutorials/using-branches/git-merge

NEW QUESTION 88
- (Exam Topic 1)
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 retune this JSON output for a GET HTTP request, Which has assigned to a variable called "vegetables" Using python, which output is the result of this command?

```
print(filter(lambda l: l['type'] == 'fruit', vegetables)[0]['items'][0]['items'][0])
```

A. Lettuce
B. Kiwi
C. ['kiwi', 'grape']
D. {'color': 'green', 'items': ['kiwi', 'grape']

Answer: B

NEW QUESTION 92
- (Exam Topic 1)
When using the Bash shell, how it the output of the devnet command saved to a tile named "output.txt"?

A. devnet & output.txt
B. devnet > output.txt
C. devnet < output.txt
D. devnet I output.txt

Answer: B

Explanation:

Reference: https://askubuntu.com/questions/420981/how-do-i-save-terminal-output-to-a-file

NEW QUESTION 95
- (Exam Topic 1)
Which service provides a directory lookup for IP addresses and host names?

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

Answer: A

NEW QUESTION 99
- (Exam Topic 1)
Fill in the blanks to complete the python script to retrieve a list of network devices using the Cisco DNA center API.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Solution as below.

NEW QUESTION 102
- (Exam Topic 1)
A Company is looking for cloud deployment which will use the on-premise infrastructure, is user self-service, and easy to scale. Which cloud solution should be selected for these requirements?

A. multi
B. public
C. private
D. hybrid

Answer: C

NEW QUESTION 104
- (Exam Topic 1)
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

Answer: C

NEW QUESTION 109
- (Exam Topic 1)
Users cannot access a webserver and after the traffic is captured, the capture too* shows an ICMP packet that reports "communication administratively prohibited"
What Is the cause of this webserver access Issue?

A. An access list along the path is blocking the traffic
B. The traffic is not allowed to be translated with NAT and dropped.
C. Users must authenticate on the webserver to access It
D. A router along the path is overloaded and thus dropping traffic

Answer: A

NEW QUESTION 114
- (Exam Topic 1)
Which two query types does a client make to a DNS server? (Choose Two)

A. AAAA
B. ACK
C. DISCOVER
D. Inverse
E. PTR

Answer: AE

NEW QUESTION 119
- (Exam Topic 1)
What is the purpose of a MAC address?

A. To uniquely identify a router in a LAN
B. To uniquely identify a network interface in a LAN
C. To uniquely identify a device on the internet
D. To uniquely identify a switch in a LAN

Answer: B

NEW QUESTION 122
- (Exam Topic 1)
An automation script fails to connect to an internal server exactly 1 out of 2 times it is executed. This behavior is seen from different clients. Which networking device mut be at fault?

A. Laptop on which the script is running
B. Router
C. Switch
D. Load balancer

Answer: D

NEW QUESTION 123
- (Exam Topic 1)
Refer to the exhibit.

```
#!/bin/bash
read ndir
while [ -d "$ndir" ]
do
cd $ndir
done
mkdir $ndir
```

What is the action of the Bash script that is shown?

A. The script waits until input is entere
B. If the directory exists, the script goes into it until there is no directory with the same name, then it creates a new directory.
C. The script goes into the directory called "$ndir" and makes a new directory called "$ndir"
D. The script waits unit input is entered, then it goes into the directory entered and creates a new directory with the same name.
E. For all directories in the current folde
F. The script goes into directory and makes a new directory.

Answer: A

NEW QUESTION 127
- (Exam Topic 1)
Which two statement describe the role of an artifact repository in a CI/CD pipeline? (Choose two.)

A. An artifact repository allows to compare and merge changes in the source code of files involved in a build process.
B. An artifact repository is needed only for CI/CD pipeline executed on a public cloud infrastructure.
C. An artifact repository provides traceability, search, and management of binary files.
D. An artifact repository is needed only for managing open source software.
E. An artifact repository stores files needed and generated during the build process.

Answer: CE

NEW QUESTION 130
- (Exam Topic 1)
What operation is performed with YANG model-driven programmability in NX-OS?

A. configure a device with native and OpenConfig-based models
B. send CLI commands to a device and retrieve output in JSON format
C. run Linux commands natively on the device
D. bootstrap a device that has a factory-default configuration

Answer: A

Explanation:
Reference:
https://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/white-paper-c11-74151

NEW QUESTION 135
- (Exam Topic 1)
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 API resource does not support JSON format payloads.
C. The submitted JSON payload includes a field that is not supported by the API resource.
D. The submitted JSON payload has a formatting issue

Answer: D

NEW QUESTION 139
- (Exam Topic 1)
In DNS, which record specifies an alias that refers to another name that ultimately resolves to an IP address?

A. AAA
B. SOA
C. NS
D. CNAME

Answer: D

Explanation:
Reference: https://ns1.com/resources/dns-types-records-servers-and-queries

NEW QUESTION 143
- (Exam Topic 1)
Which network device monitors incoming and outgoing traffic and decides whether to allow or block specific traffic based on a defined set of rules?

A. switch

B. load balancer
C. reverse proxy
D. firewall

Answer: D

NEW QUESTION 145
- (Exam Topic 1)
Refer to the exhibit.

```
HTTP REQUEST
POST /organizations/ {organizationId}/networks
PARAMETERS

name
The name of the new network.


type
The type of the new network. Valid types are wireless, appliance, switch, systemsManager,
camera, cellularGateway, or a space-separated list of those for a combined network.


tags
A space-separated list of tags to be applied to the network.


timeZone
The timezone of the network. For a list of allowed timezones, please see the 'TZ' column in
the table in this article.


copyFromNetworkId
The ID of the network to copy configuration from. Other provided parameters will override
the copied configuration, except type which must match this network's type exactly.


disableMyMerakiCom
Disables the local device status pages (my.meraki.com, ap.meraki.com, switch.meraki.com,
wired.meraki.com). Optional (defaults to false).


disableRemoteStatusPage
Disables access to the device status page (http://[device's LAN IP]). Optional. Can only be
set if disableMyMerakiCom is set to false.
```

```
base_url = https://api.meraki.com/api/v0
org_id = 123456789
api_key = 1098hadpfsiapsf8ahf8ohp
network_name = "New Network"
requests.<item 1> (
    <item 2> + "/<item 3>/" + org_id + "/<item 4>",
    headers = {
        "X-Cisco-Meraki-API-Key": "<item 5>",
        "Content-Type": "<item 6>"
    },
    <item 7>=json.dumps ({ "name": <item 8>,
                          "type": "wireless switch"
                   }))
```

Drag and drop the code from the left onto the item numbers on the right to complete to Meraki python script shown in the exhibit.

base_url	\<item 1\>
network_name	\<item 2\>
data	\<item 3\>
post	\<item 4\>
application/json	\<item 5\>
networks	\<item 6\>
api_key	\<item 7\>
organizations	\<item 8\>

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – D, 2 – A, 3 – H, 4 – F, 5 – G, 6 – E, 7 – C, 8 – B

NEW QUESTION 147
- (Exam Topic 1)
Refer to the exhibit.

List Rooms

List rooms.

The `title` of the room for 1:1 rooms will be the display name of the other person.

By default, lists rooms to which the authenticated user belongs.

Long result sets will be split into pages.

`GET` `/v1/rooms`

Query Parameters

Name	Description
teamId string	List rooms associated with a team, by ID.
type string	List rooms by tape. Possible values: direct, group
sortBy string	Sort results. Possible values: id, lastactivity, created
max number	Limit the maximum number of rooms in the response. Default: 100

Fill in the blank to complete the query parameter and value so that the result set is returned in reverse chronological order (most recent first) based on when message were entered.

HTTP GET /v1/rooms _____

A. Mastered
B. Not Mastered

Answer: A

Explanation:

HTTP GET /v1/rooms ?sortBy=lastactivity

NEW QUESTION 151
- (Exam Topic 1)
A function my_func() returns True when it executes normally. Which python snippet tests my_func()?

```
def test_func(self):
    self.assertTrue(my_func())
```

```
def test_func(self):
    self.assertRaises(my_func())
```

```
def test_func(self):
    self.assertEqual(my_func(), '{true}')
```

```
def test_func(self):
    self.assertFalse(my_func())
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 153
- (Exam Topic 1)
In python, which expression checks whether the script returns a success status code when the Requests library is used?

A. response.status_code== requests.ok
B. response.status_code== requests.codes.ok
C. response.code== requests.codes.ok
D. response.status_code ! == requests.codes.ok

Answer: B

Explanation:
Reference: https://realpython.com/python-requests/

NEW QUESTION 156
- (Exam Topic 1)
Which way should be used to safely the API keys?

A. In an environment variable unique to the system database
B. Encrypted in a configuration file that is separate from the code
C. Encrypted in the code in a function
D. Plain text in the code as a constant

Answer: B

NEW QUESTION 157
- (Exam Topic 1)
Drag and drop the requests from the left into the correct order on the right to create and check the path trace between two devices using Cisco DNA center API.

GET /api/v1/flow-analysis/{flowAnalysisId}	Step 1
POST /api/v1/flow-analysis	Step 2
POST /api/system/v1/auth/token	Step 3
GET /api/v1/network-device/ and choose IP of source and destination devices	Step 4

A. Mastered
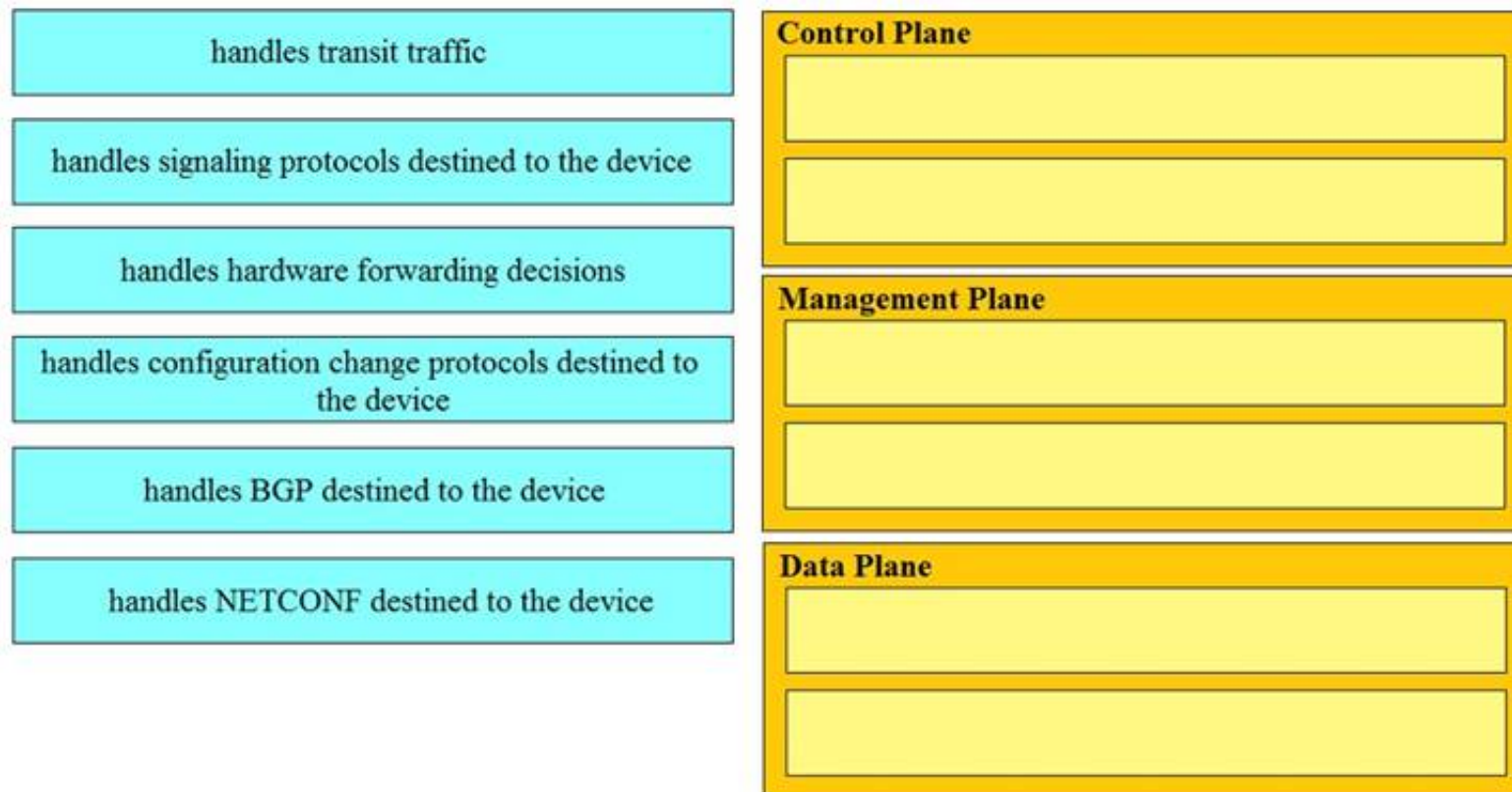B. Not Mastered

Answer: A

Explanation:
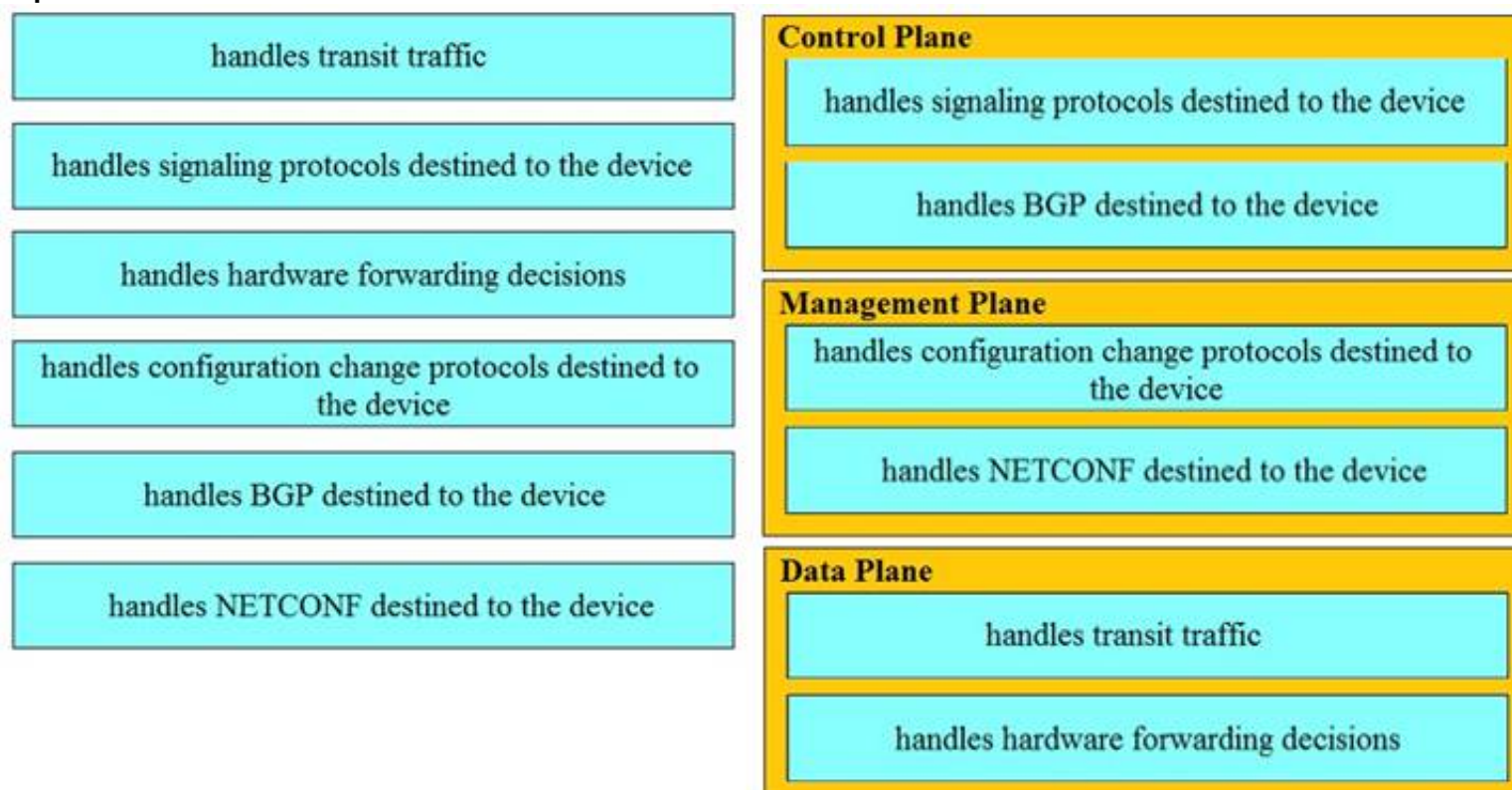1 – C, 2 – D, 3 – B, 4 - A

NEW QUESTION 162
- (Exam Topic 1)
Drag and drop the function on the left onto the type of plane that handles the function on the right.

handles transit traffic	**Control Plane**
handles signaling protocols destined to the device	
handles hardware forwarding decisions	**Management Plane**
handles configuration change protocols destined to the device	
handles BGP destined to the device	**Data Plane**
handles NETCONF destined to the device	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

handles transit traffic	**Control Plane**
handles signaling protocols destined to the device	handles signaling protocols destined to the device
handles hardware forwarding decisions	handles BGP destined to the device
handles configuration change protocols destined to the device	**Management Plane**
handles BGP destined to the device	handles configuration change protocols destined to the device
handles NETCONF destined to the device	handles NETCONF destined to the device
	Data Plane
	handles transit traffic
	handles hardware forwarding decisions

NEW QUESTION 166
- (Exam Topic 1)
Refer to the exhibit.

HTTP REQUEST

`POST` `/organizations/{organizationId}/networks`

PARAMETERS

name
The name of the new network

type
The type of the new network. Valid types are wireless, appliance, switch, systemsManager, camera, cellularGateway, or a space-separated list of those for a combined network.

tags
A space-separated list of tags to be applied to the network

timeZone
The timezone of the network. For a list of allowed timezones, please see the 'TZ' column in the table in this article.

copyFromNetworkId
The ID of the network to copy configuration from. Other provided parameters will override the copied configuration, except type which must match this network's type exactly.

disableMyMerakiCom
Disables the local device status pages (my.meraki.com, ap.meraki.com, switch.meraki.com, wired.meraki.com). Optional (defaults to false)

disableRemoteStatusPage
Disables access to the device status page (http://[device's LAN IP]). Optional. Can only be set if

Drag and Drop the code from the bottom onto the box where the code is missing on the Meraki Python script to create a new network

```
base_url = "https://api.meraki.com/api/v0"
org_id = "123456789"
api_key = "1098hadpfsiapsf8ahf8ohp"
network_name = "New Network"
requests. post(
    base_url + "/[          ]/" + [          ] + "/networks",
    [          ] = {
        "X-Cisco-Meraki-API-Key": [          ],
        "Content-Type": "application/json"
    },
    data=json.dumps({"[          ]": network_name,
                     "type": "wireless switch"
    }))
```

organizations	headers
api_key	org_id
name	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
base_url = "https://api.meraki.com/api/v0"
org_id = "123456789"
api_key = "1098hadpfsiapsf8ahf8ohp"
network_name = "New Network"
requests. post(
    base_url  + "/ organizations /" +  org_id   + "/networks",
        headers  = {
            "X-Cisco-Meraki-API-Key":  api_key  ,
            "Content-Type": "application/json"
        },
        data=json.dumps({"  name  ": network_name,
                          "type": "wireless switch"
        }})
```

NEW QUESTION 167
- (Exam Topic 1)
What are the two purposes for using a VLAN in a network? (Choose two)

A. It is used to create the routing table.
B. It creates a collection of MAC addresses.
C. It is used for VM network traffic.
D. It segments a network.
E. It creates a broadcast domain.

Answer: DE

NEW QUESTION 172
- (Exam Topic 1)
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.

SSH	gRPC
HTTP	
HTTP/2	NETCONF
HTTPS	
	RESTCONF

A. Mastered
B. Not Mastered

Answer: A

Explanation:
gRPC = C, NETCONF = A, RESTCONF = B, D OR

NEW QUESTION 173
- (Exam Topic 1)
Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

A. Cross-site scripting
B. Sensitive data exposure
C. Broken authentication
D. Injection

Answer: D

Explanation:
Reference: https://owasp.org/www-project-top-ten/OWASP_Top_Ten_2017/Top_10-2017_A1-Injection

NEW QUESTION 178
- (Exam Topic 1)
Drag and drop the HTTP status codes from the left onto the correct descriptions on the right.

400	Unauthorized
401	Not Found
403	Bad Request
404	Forbidden

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – B, 2 – D, 3 – A, 4 – C
Reference:
https://www.cisco.com/c/en/us/support/docs/security/web-security-appliance/118217-troubleshoot-wsa-00.html

NEW QUESTION 179
- (Exam Topic 1)
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right. (Not all Options are used)

SSH	gRPC
HTTP	
HTTP/2	NETCONF
HTTPS	
	RESTCONF

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Grpc == http/2 , netconfig == ssh , restconfig == https

NEW QUESTION 184
- (Exam Topic 1)
Drag and drop the Python code from the left onto the correct step on the right to call a REST API.

response = requests.post(url, data=json.dumps(payload), \ headers=header, verify=False)	Step 1 – Import the correct libraries.
ticket = r_json["Token"] print (ticket)	Step 2 – Declare the necessary variable.
(_json = response.json() print(r_json)	Step 3 – Send the HTTP Request.
import requests import json	Step 4 – Format and display the response in JSON readable format.
controller = 'devnetapi.cisco.com/sandbox/dnacenter' url = 'https://' + controller + '/dna/system/api/v1/auth/token' payload = { 'username': 'devnetuser', 'password': 'pa55word'} header = { 'Content-type': 'application/json' }	Step 5 – Parse the response to display the Service Ticket.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

response = requests.post(url, data=json.dumps(payload), \ headers=header, verify=False)	import requests import json
ticket = r_json["Token"] print (ticket)	controller = 'devnetapi.cisco.com/sandbox/dnacenter' url = 'https://' + controller + '/dna/system/api/v1/auth/token' payload = { 'username': 'devnetuser', 'password': 'pa55word'} header = { 'Content-type': 'application/json' }
(_json = response.json() print(r_json)	response = requests.post(url, data=json.dumps(payload), \ headers=header, verify=False)
import requests import json	(_json = response.json() print(r_json)
controller = 'devnetapi.cisco.com/sandbox/dnacenter' url = 'https://' + controller + '/dna/system/api/v1/auth/token' payload = { 'username': 'devnetuser', 'password': 'pa55word'} header = { 'Content-type': 'application/json' }	ticket = r_json["Token"] print (ticket)

NEW QUESTION 187
- (Exam Topic 1)
Drag and drop the descriptions from the left onto correct application deployment models on the right.

provides a low-latency compute capability close to the data source	**Public Cloud**
environment where you pay only for the resources that you consume	
offers a self-service, elastic compute environment from a dedicated set of physical resources	**Private Cloud**
provides an approach for overflow traffic to burst out to meet peak demands	**Hybrid Cloud**
shared compute platform that is offered over the Internet	**Edge Computing**

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – B, 2 – E, 3 – C, 4 – D, 5 – A

NEW QUESTION 191
- (Exam Topic 1)
Drag and drop the Docker file instructions from the onto correct descriptions on the right. Not all options are used.

FROM ubuntu:12.04	informs Docker that the container listens on the specified network port(s) at runtime
VOLUME["/var/www","/var/log/apache2","/etc/apache2"]	creates a mount point with the specified name
RUN apt-get update && apt-get install –y –force-yes apache2	configures a container that runs as an executable
ENTRYPOINT["/usr/sbin/apache2ctl","-D","FOREGROUND"]	must be the first instruction in the Docker file
EXPOSE 1521	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – E, 2 – B, 3 – D, 4 – A

NEW QUESTION 196
- (Exam Topic 1)
Refer to the exhibit.

```
{
    "items": [{
        "kind": "object#NetworkObj",
        "selfLink": "https://10.201.230.5/api/objects/networkobjects/db01",
        "name": "db01",
        "host": {
            "kind": "IPv4address",
            "value": "172.16.0.11"
        },
        "objectId": "db01"
    }]
}
```

The JSON data in the exhibit has been parsed and stored in a variable, "data". What returns the value "172.16.0.11" ?

A. data['items'][0]['host']['value']
B. data['items']['1']['host']['value']

C. data['items']['host'][1]
D. data['items']['host']['value']

Answer: A

NEW QUESTION 198
- (Exam Topic 1)
Which detail is included in a routing table?

A. IP protocol
B. Broadcast address
C. TCP or UDP port number
D. Destination next hop or outgoing interface

Answer: D

Explanation:
Reference: https://geek-university.com/ccna/routing-table-explained/

NEW QUESTION 201
- (Exam Topic 1)
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' '371274739'}
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. Mastered
B. Not Mastered

Answer: A

Explanation:

```
import requests
import json
controller = 'devnetapi.cisco.com/sandbox/apic_em'
url = "https://" + controller + "/api/va/ticket"
payload = { 'username': 'devnetuser', 'password' '371387657'}
header = { 'Content-type' 'application/json' }
response = requests post(url, data=json dumps(payload), \
headers= header, verify=False)
r_json = response json()
print(r_json)
ticket = r_json["response"]["serviceTicket"]
print(ticket)
```

Reference: https://developer.cisco.com/docs/apic-em/#!hello-world

NEW QUESTION 203
- (Exam Topic 1)
Which two NETCONF operations cover the RESTCONF GET operation? (Choose two.)

A. <get>
B. <edit>
C. <get-update>
D. <modify-config>
E. <get-config>

Answer: AE

Explanation:
Reference:
https://www.cisco.com/c/en/us/support/docs/storage-networking/management/200933-YANG-NETCONF-Conf

NEW QUESTION 207
- (Exam Topic 1)

Which is an advantage of using network programmability?

A. It removes CLI access for devices.
B. It provides for more scalable and replicable network provisioning.
C. Manual configuration is faster.
D. No cloud abstraction occurs.

Answer: B

NEW QUESTION 208
- (Exam Topic 1)
What are two roles of an artifact repository in a CI/CD pipeline? (Choose two.)

A. is required for CI/CD pipelines executed on a public cloud infrastructure
B. is required for managing open source software
C. stores files needed and generated during the build process
D. allows for comparing and merging changes in the source code
E. provides traceability, search, and management of binary files

Answer: CE

NEW QUESTION 212
- (Exam Topic 1)
Refer to the exhibit.

```
json_string = """
{
        "researcher": {
            "name": "Ford Perfect",
            "species": "Betelgeusian",
            "relatives": [
                {
                    "name": "Zaphod Beeblebrox",
                    "species": "Betelgeusian"
                }
            ]
        }
}
"""

my_json = json.loads(json_string)
```

Which python data structure does my_json contain?

A. List
B. Json
C. Map
D. Dict

Answer: D

Explanation:
Reference:
https://stackoverflow.com/questions/34764979/loading-python-string-with-u-as-json?noredirect=1&lq=1

NEW QUESTION 217
- (Exam Topic 1)
Refer to the exhibit.

```
---
- hosts: CISCO_ROUTER_01
  gather_facts: true
  connection: network_cli

  tasks:
    - name: show conf
      ios_command:
        commands:
          - show conf
      register: config

    - name: save output to /etc/ansible/configs
      copy:
        content: "{{ config.stdout[0] }}"
        dest: "/etc/ansible/configs/show_conf_{{ inventory_hostname }}.txt"
```

What is the result of executing this Ansible playbook?

A. The playbook copies a new start-up configuration to CISCO_ROUTER_01.
B. The playbook backs up the running configuration of CISCO_ROUTER_01.
C. The playbook backs up the start-up configuration of C1SCO_ROUTER_01.
D. The playbook copies a new running configuration to CISCO_ROUTER_01.

Answer: C

NEW QUESTION 221
- (Exam Topic 1)
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 statement describe the configuration of the Ansible script is run? (Choose two.)

A. Traffic on port 0/2 and 0/3 is connected to port 0/6.

B. Traffic from ports 0/2 to 0/5 can flow on port 0/1 due to the trunk.
C. Traffic can flow between ports 0/2 to 0/5 due to the trunk on port 0/1.
D. GigabitEthernet0/2 and GigabitEthernet0/3 are access ports for VLAN 6.
E. GiabitEthernet0/1 is left unconfigured.

Answer: BD

NEW QUESTION 222
- (Exam Topic 1)
What are the two principles of an infrastructure as code environment? (Choose two)

A. Complete complex systems must be able to be built from reusable infrastructure definitions.
B. Environments must be provisioned consistently using the same inputs.
C. Redeployments cause varying environment definitions.
D. Service overlap is encouraged to cater for unique environment needs.
E. Components are coupled, and definitions must be deployed for the environment to function.

Answer: AB

NEW QUESTION 225
- (Exam Topic 3)
Drag and drop the code from the bottom onto the box where the code is missing to authenticate with the Cisco DNA Center REST API by using basic authentication. Then generate a token for later use. Not all options are used.

```
import requests
from requests.auth import HTTPBasicAuth

BASE_URL = 'https://sandboxdnac2.cisco.com'
AUTH_URL = '/dna/system/api/v1/[        ]'
USERNAME = 'admin'
PASSWORD = 'qwer1234!'

response = requests.[        ] (BASE_URL + AUTH_URL,
    auth=HTTPBasicAuth([        ], [        ]))
token = response.json()['Token']
print(token)
```

| auth/basic | /auth/token | post. | get |

| USERNAME | Token | PASSWORD |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
import requests
from requests.auth import HTTPBasicAuth

BASE_URL = 'https://sandboxdnac2.cisco.com'
AUTH_URL = '/dna/system/api/v1/ /auth/token '
USERNAME = 'admin'
PASSWORD = 'qwer1234!'

response = requests. post (BASE_URL + AUTH_URL,
  auth=HTTPBasicAuth( USERNAME , PASSWORD ))
token = response.json()['Token']
print(token)
```

| auth/basic | /auth/token | post | get |

| USERNAME | Token | PASSWORD |

NEW QUESTION 229
- (Exam Topic 3)
What is a characteristic of RPC APIs compared to REST APIs?

A. Authentication is done over provisions for the service caller and vice versa for RPC API, and REST API uses HTTP headers for authentication.
B. All communications between the client and server must be stateless for RPC API, and REST API is stateful.
C. The architecture model for RPC API is resource-focused, and REST API is procedure-focused.
D. The data payload must be in JSON format for RPC API, and REST API allows JSON and XML formats.

Answer: A

NEW QUESTION 230
- (Exam Topic 3)
A developer has experienced security issues with a previously developed application. The API offered by that application is open and without any constraints. During a recent attack, the application was overloaded with API requests. To address this issue, an API constraint is implemented to protect the application from future attacks or any sudden throttling. Which API constraint must the application developer implement in this situation?

A. pagination
B. rate limiting
C. filtering
D. payload limiting

Answer: B

NEW QUESTION 233
- (Exam Topic 3)
A developer is running an application that connects to the Cisco website and collects data. The application will be hosted in a local data center and the data will need to be collected on a frequent basis. The application client requires certain environmental variables to be set before the run. Which Bash command sets the environmental variables for a Linux system?

A. `"cisco.com"=WEBSITE`

B. `export lvar=23`
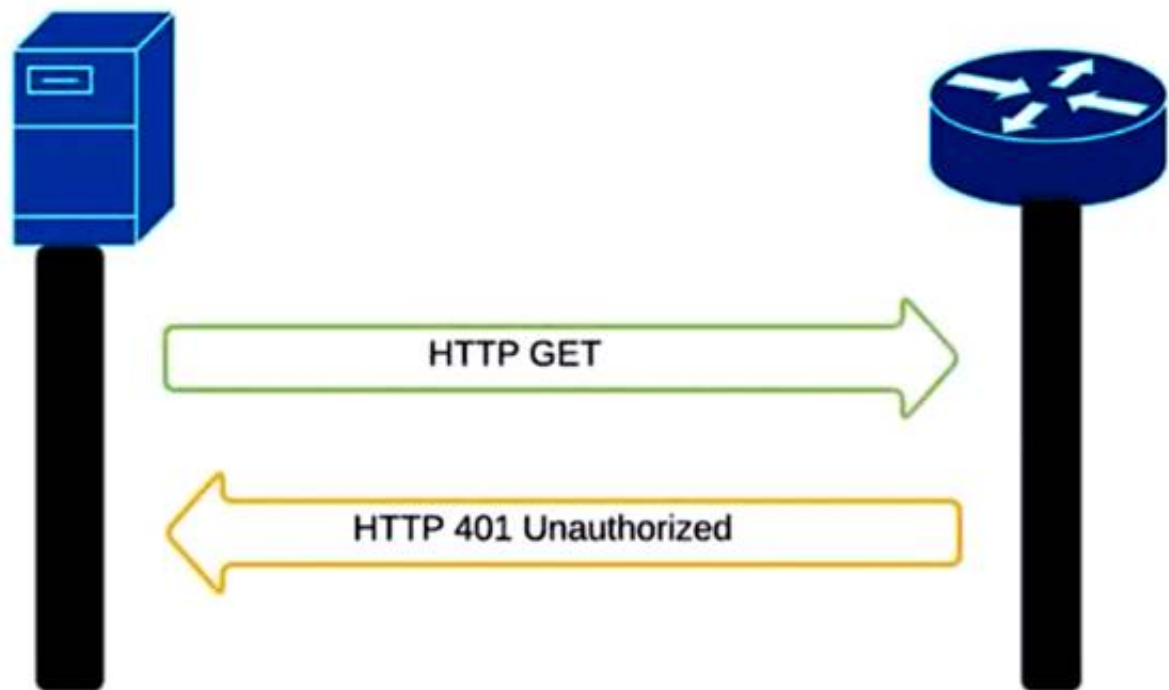
C. `WEBSITE="cisco.com"`

D. `export website="cisco.com"`

Answer: D

NEW QUESTION 236
- (Exam Topic 3)
Refer to the exhibit.

```
curl -i -k -X 'GET' 'https://172.18.110.64:443/restconf/data/Cisco-IOS-XE-native:native/hostname'
-H 'Accept: application/yang-data+json' \
-u 'cisco:cisco'
```


An administrator attempts to perform a GET operation by using the Cisco IOS XE RESTCONF API to return the hostname of a device. The sequence diagram in the exhibit illustrates the HTTP messages observed. Which change to the API request resolves the issue?

A. Remove the -H 'Accept: application/yang-data+json' header.
B. Replace -u cisco:cisco parameter with -u 'cisco:cisco'.
C. Change the request method from -X 'GET' to -X 'POST'.
D. Add the -H 'Content-Type: application/yang-data+json' header.

Answer: B

NEW QUESTION 241
- (Exam Topic 3)
Drag and drop the API characteristics from the left onto the categories on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated

NEW QUESTION 243
- (Exam Topic 3)
A business needs to create a simulated environment that mimics a production infrastructure to make changes to the OSPF process and analyze the impact. What should be used?

A. Cisco VIRL / Cisco CML
B. Cisco DevNet Sandbox labs
C. pyATS
D. Puppet

Answer: A

Explanation:
https://www.cisco.com/c/en/us/products/cloud-systems-management/modeling-labs/index.html

NEW QUESTION 245
- (Exam Topic 3)
Which command reverses the last commit without changing the index file or the working tree position?

A. git revert HEAD
B. git reset --hard HEAD~3
C. git reset --soft HEAD^
D. git revert

Answer: C

NEW QUESTION 249
- (Exam Topic 3)
Drag and drop the characteristics from the left onto the corresponding categories on the right to compare RESTful and RPC APIs.

Answer Area

```
stateless

session-based

must use HTTP

sometimes uses HTTP
```

```
RESTful

RPC
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
stateless

session-based

must use HTTP

sometimes uses HTTP
```

```
RESTful
    stateless
    sometimes uses HTTP

RPC
    session-based
    must use HTTP
```

NEW QUESTION 254
- (Exam Topic 3)

```
 1    - hosts: nxos_rtr
 2      gather_facts: false
 3      tasks:
 4      - nxos_hsrp:
 5          group: "{{ item.group }}"
 6          vip: "{{ item.vip }}"
 7          priority: 115
 8          interface: "{{ item.interface }}"
 9          preempt: enabled
10          auth_type: md5
11          auth_string: "s3cuR3"
12          version: 2
13          host: "{{ hostvars['rtr-la']['ansible_ssh_host'] }}"
14        with_items:
15          - "{{ hsrp_groups }}"
16          delegate_to: "{{ hostvars['srv-la']['ansible_ssh_host'] }}"
```

Refer to the exhibit. An engineer runs a network that consists of Cisco Nexus devices. The network is distributed between data centers in different locations. The

switches are configured using standalone connections and a single point of failure. Which process is being automated by the Ansible playbook?

A. enabling HSRP on the nxos_rtr inventory host
B. enabling HSRP on the rtr-1a inventory host
C. executing HSRP configuration from the Ansible controller node
D. executing HSRP configuration from the srv-1a inventory host

Answer: B

NEW QUESTION 256
- (Exam Topic 3)
A development team is creating an application used for contactless payments. The application must: Be web-based Capture and process the credit card information for a purchase.
Which security action must the web application use to gather and process the private customer data?

A. Enable RATs to monitor the web application remotely.
B. Disable botnets to eliminate risks.
C. Disable TLS to increase the connection speed.
D. Enable the encryption of network traffic.

Answer: D

NEW QUESTION 260
- (Exam Topic 3)
What are two benefits of using classes over functions when writing applications? (Choose two.)

A. improved readability
B. increased compatibility
C. variable reusability
D. increased performance
E. code organization

Answer: AC

NEW QUESTION 262
- (Exam Topic 2)
What is the main purpose of a code review?

A. To provide the technical lead visibility into all code
B. To identify and review errors with the team
C. To ensure that all code is checked in simultaneously
D. To detect logical errors

Answer: B

NEW QUESTION 265
- (Exam Topic 2)
Refer to the exhibit.

```
API Documentation:

Integrations are how you request permission to invoke the Webex REST API on behalf of another Webex
Teams user. To do this in a secure way the API supports the OAuth 2 standard which allows third-party
integrations to get a temporary access token for authenticating API calls instead of asking users for their
password.

Script:
01   import requests
02
03   base_url = "https://webexapis.com/v1"
04   header = {"Key": "Value"}
05
06   url = "{}/{}".format(base_url, "/teams")
07   print(requests.get(url, headers=header).status_code)
```

A developer creates a Python script that queries Cisco Webex. When the script is executed, a 401 code is returned. After troubleshooting, the developer discovers that the service is missing privileges. Which change to the header in line 4 of the script results in the code 200?
A)

```
header = {"Authentication": "Bearer YOUR_TOKEN"}
```

B)

```
header = {"Authentication Bearer" : "YOUR_TOKEN"}
```

C)

```
header = {"Authorization" : "Bearer YOUR_TOKEN"}
```

D)

```
header = {"Authorization Bearer" : "YOUR_TOKEN"}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 267
- (Exam Topic 2)
What is a benefit of using edge computing in an IoT implementation?

A. low cost in network design
B. low network design complexity
C. high availability for network components
D. high speed in data processing

Answer: D

NEW QUESTION 268
- (Exam Topic 3)
Developer is working on a new feature and made changes on a branch named 'branch-413667549a-new'. When merging the branch to production, conflicts occurred. Which Git command must the developer use to recreate the pre-merge state?

A. git merge -no-edit
B. git merge -commit
C. git merge -revert
D. git merge -abort

Answer: D

Explanation:
https://www.git-tower.com/learn/git/ebook/en/command-line/advanced-topics/merge-conflicts

NEW QUESTION 272
- (Exam Topic 3)
Drag and drop the code from the bottom onto the box where the code is missing to construct a Python script that calls a REST API request. The Python script retrieves a list of tasks from a to-do list for effective project management purposes. Not all options are used.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
import requests

response =    [ requests ]    .get('https://todolist.example.com/tasks/')

if    [ response ]    .status_code != 200:
    raise ApiError('GET /tasks/ {}'.format(response. [ status_code ]  ))

for item in response.json():
    print('{} {}'.format(item['id'],    [ item ]    ['summary']))
```

```
item            response

requests        get()

status_code     status
```

NEW QUESTION 277
- (Exam Topic 3)
A developer pushes an application to production. The application receives a webhook over HTTPS without a secret. The webhook information contains credentials to service in cleartext. When the information is received, it is stored in the database with an SHA-256 hash. Credentials to the database are accessed at runtime through the use of a vault service. While troubleshooting, the developer sets the logging to debug to view the message from the webhook. What is the security issue in this scenario?

A. Database credentials should be accessed by using environment variables defined at runtime.
B. During the transport of webhook messages, the credentials could be unencrypted and leaked.
C. During logging, debugging should be disabled for the webhook message.
D. Hashing the credentials in the database is not secure enough; the credentials should be encrypted.

Answer: B

NEW QUESTION 278
- (Exam Topic 3)
Which Cisco platform is used to manage data center infrastructure through third-party tools and system integrations?

A. Cisco DNA Center
B. Cisco UCS Manager
C. Cisco Intersight
D. Cisco UCS Director

Answer: D

NEW QUESTION 282
- (Exam Topic 3)
Which two commands download and execute an Apache web server container in Docker with a port binding 8080 in the container to 80 on the host? (Choose two.)

A. docker pull apache
B. docker run -p 8080:80 httpd
C. docker run -p 80:8080 httpd
D. docker pull httpd
E. docker pull https

Answer: CD

NEW QUESTION 284
- (Exam Topic 3)

Refer to the exhibit. Drag and drop the code from the bottom onto the box where the code is missing to construct a Python script by using the Cisco SDK. Not all options are used.

```python
import sys, json, argparse
from intersight.intersight_api_client import IntersightApiClient
from intersight.apis import asset_device_registration_api, asset_device_claim_api

result = dict(changed=False)

parser = argparse.ArgumentParser()
parser.add_argument('-a', '--api_params', default='intersight_api_params.json')
parser.add_argument('-t', '--target_host', dest='hostname', required=True)
args = parser.parse_args()
with open(args.api_params, 'r') as api_file:
    intersight_api_params = json.load(              )
api_instance = IntersightApiClient(
    host=intersight_api_params['             '],
    private_key=intersight_api_params['api_private_key_file'],
    api_key_id=intersight_api_params['api_key_id'],
)
api_handle = asset_device_registration_api.AssetDeviceRegistrationApi(api_instance)

kwargs = dict(filter="ConnectionStatus eq 'Connected'")
              = api_handle.asset_device_registrations_get(**            )
for device in api_result.results:
    if device.device_ip_address[0] == args.hostname:
        api_handle = asset_device_claim_api.AssetDeviceClaimApi(api instance)
        api_handle.asset_device_claims_moid_delete(moid=device.device_claim.moid)
        result['changed'] = True
        break
```

kwargs	args	api_file	api_key	api_base_uri	result

api_result

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
import sys, json, argparse
from intersight.intersight_api_client import IntersightApiClient
from intersight.apis import asset_device_registration_api, asset_device_claim_api

result = dict(changed=False)

parser = argparse.ArgumentParser()
parser.add_argument('-a', '--api_params', default='intersight_api_params.json')
parser.add_argument('-t', '--target_host', dest='hostname', required=True)
args = parser.parse_args()
with open(args.api_params, 'r') as api_file:
    intersight_api_params = json.load(   api_file   )
api_instance = IntersightApiClient(
    host=intersight_api_params['  api_base_uri  '],
    private_key=intersight_api_params['api_private_key_file'],
    api_key_id=intersight_api_params['api_key_id'],
)
api_handle = asset_device_registration_api.AssetDeviceRegistrationApi(api_instance)

kwargs = dict(filter="ConnectionStatus eq 'Connected'")
result        = api_handle.asset_device_registrations_get(**  kwargs  )
for device in api_result.results:
    if device.device_ip_address[0] == args.hostname:
        api_handle = asset_device_claim_api.AssetDeviceClaimApi(api_instance)
        api_handle.asset_device_claims_moid_delete(moid=device.device_claim.moid)
        result['changed'] = True
        break
```

kwargs	args	api_file	api_key	api_base_uri	result

api_result

NEW QUESTION 288

- (Exam Topic 3)

An engineer must configure Cisco Nexus devices and wants to automate this workflow. The engineer will use an Ansible playbook to configure devices through Cisco NX REST API. Before the code is run, which resource must be used to verify that the REST API requests work as expected?

A. Cisco Open NX-OS
B. Cisco NX-OS SDK
C. Cisco Learning Labs
D. Cisco Code Exchange for Nexus

Answer: C

NEW QUESTION 293

- (Exam Topic 3)

Which OWASP threat occurs when untrusted data is supplied as input to an interpreter as part of a command or query?

A. broken authentication
B. data exposure
C. injection
D. cross-site scripting

Answer: C

NEW QUESTION 296

- (Exam Topic 3)

Which two details are captured from the subnet mask? (Choose two.)

A. portion of an IP address that refers to the subnet
B. default gateway of the host
C. unique number ID assigned to the host
D. part of an IP address that refers to the host
E. network connection of a host or interface

Answer: AD

NEW QUESTION 300

- (Exam Topic 3)

A developer creates an application that must provide an encrypted connection or API keys. The keys will be used to communicate with a REST API. Which command must be used for the secure connection?
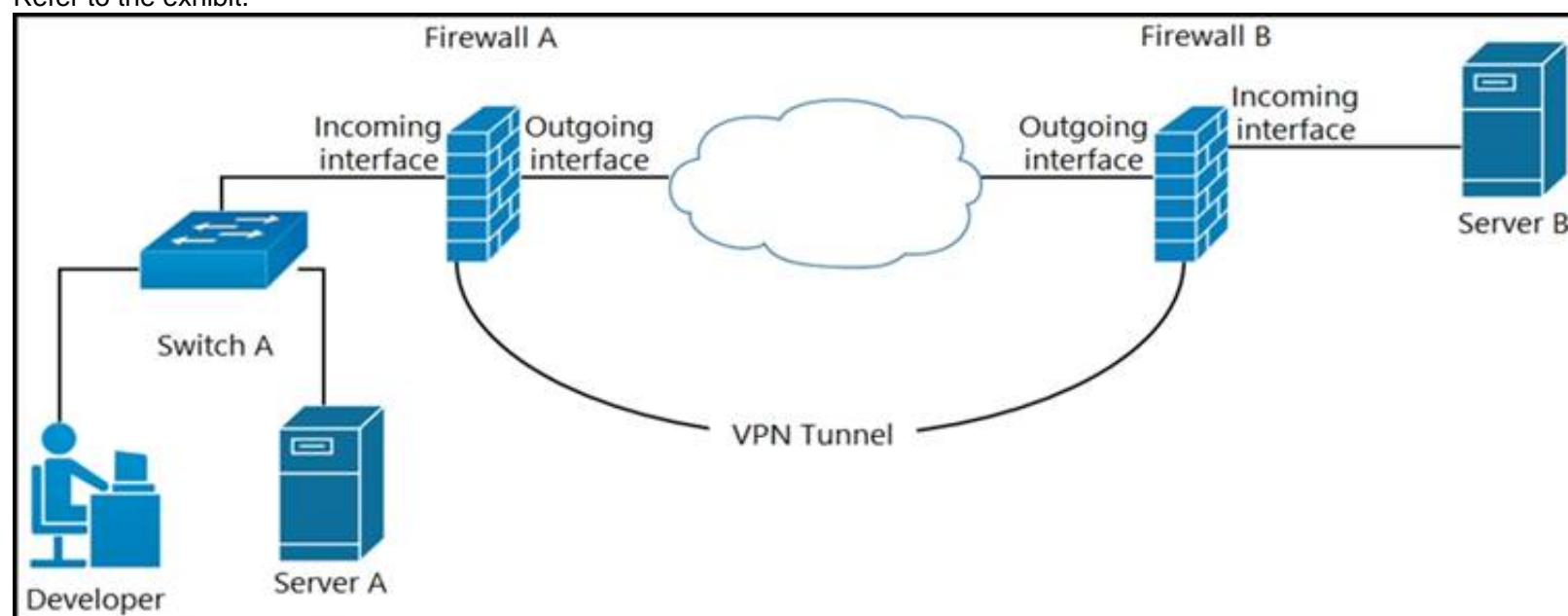
A. curl–X PUSH 'http://username.app.com/endpoint/?api_key=12345abcdef'
B. curl –v 'ftp://username.app.com/endpoint/?api_key=12345abcdef'
C. curl –X GET 'https://username.app.com/endpoint/?api_key=12345abcdef'
D. curl–X GET 'http://username.app.com/endpoint/?api_key=12345abcdef'

Answer: C

NEW QUESTION 305
- (Exam Topic 3)
Refer to the exhibit.

A developer can access the TLS REST API on server A, but cannot access the API on server B. The developer can ping server B. When the developer performs a packet capture on the TLS REST API port on server B, the capture shows that the packet arrived and the server responded. What causes the issue?

A. Port 80 is blocked on the outgoing interface of firewall B.
B. Port 443 is blocked on the outgoing interface of firewall A.
C. Port 443 is blocked on the incoming interface of firewall B.
D. Port 80 is blocked on the incoming interface of firewall A.

Answer: C

NEW QUESTION 309
- (Exam Topic 3)
An engineer needs to collect information about 20,000 Bluetooth clients using the Cisco Meraki API. The API returns only 1,000 results. One of the HTTP response headers has the data:
Link: https://api.meraki.com.info/api/v0/networks/ABC/bluetoothClients?perPage=1000&startingAfter=1000>;rel="n
Which RFC is implemented by the API to apply the restriction?

A. RFC 5988 – Web Linking
B. RFC 5890 – Response Constraints
C. RFC 5005 – Feed Paging and Archiving
D. RFC 5446 – Content Limits

Answer: C

NEW QUESTION 311
- (Exam Topic 3)
Which HTTP error code series relates to redirection?

A. 400
B. 500
C. 200
D. 300

Answer: D

Explanation:
1xx - Informational: The server has received the request and is continuing the process
2xx - Successful: The request was successful and the browser has received the expected information 3xx (Redirection): You have been redirected and the completion of the request requires further action
4xx (Client Error): The website or the page could not be reached, either the page is unavailable or the request contains bad syntax
5xx (Server Error): While the request appears to be valid, the server could not complete the request

NEW QUESTION 313
- (Exam Topic 3)
An engineer prepares a set of Python scripts to interact with network devices. To avoid network performance issues, the engineer wants to run them in a test environment. Which resource must be used to monitor the live execution of code in an always-available environment?

A. packet tracer
B. learning labs
C. sandbox
D. code exchange

Answer: C

NEW QUESTION 316
- (Exam Topic 3)
Refer to the exhibit.

```
cd ~/development/project01
mkdir info
cd info

cp ./requirements.txt ~/Documents/backup/requirements.txt
```

A developer just finished testing a Python script and wants to save the list of packages and versions installed on the current machine. The developer must make sure that it will not cause any issues if tested on another device due to different library versions. Which line of code needs to be placed on the snippet where the code is missing?

A. pip freeze 2> requirements.txt
B. pip freeze > requirements.txt
C. pip freeze => requirements.txt
D. pip freeze | requirements.txt

Answer: B

Explanation:
pip freeze requirements.txt ile ilgili görsel sonucu The most common command is pip freeze > requirements. txt , which records an environment's current package list into requirements. txt. If you want to install the dependencies in a virtual environment, create and activate that environment first, then use the Install from requirements.

NEW QUESTION 317
- (Exam Topic 3)
An engineer deploys a Cisco CSR 1000 V instance to a virtual machine. The engineer must output the device configuration in JSON format. Which protocol is used for this task?

A. YANG
B. NETCONF
C. SNMP
D. RESTCONF

Answer: D

NEW QUESTION 322
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