Cisco

Exam Questions 200-901

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

NEW QUESTION 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:
Solution as below

```
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)
```

NEW QUESTION 2
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 3
Refer to the exhibit.

```
container ethernet {
    must "../if:location" {
        description
            "An ethernet interface must specify the physical location of the ethernet hardware.";
    }
    choice transmission-params {
        case auto {
            leaf auto-negotiate {
                type empty;
            }
        }
        case manual {
            leaf duplex {
                type enumeration {
                    enum "half";
                    enum "full";
                }
            }
            leaf speed {
                type enumeration {
                    enum "10Mb";
                    enum "100Mb";
                    enum "1Gb";
                    enum "10Gb";
                }
            }
        }
    } // other ethernet specific params...
}
```

What is represented in this YANG module?

A. interface management
B. topology
C. BGP
D. OpenFlow

Answer: A

NEW QUESTION 4
Which two items are Cisco DevNet resources? (Choose two.)

A. TAC support
B. Bitbucket
C. Sandbox
D. Software research
E. API Documentation

Answer: CE

NEW QUESTION 5
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 6
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 7
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.
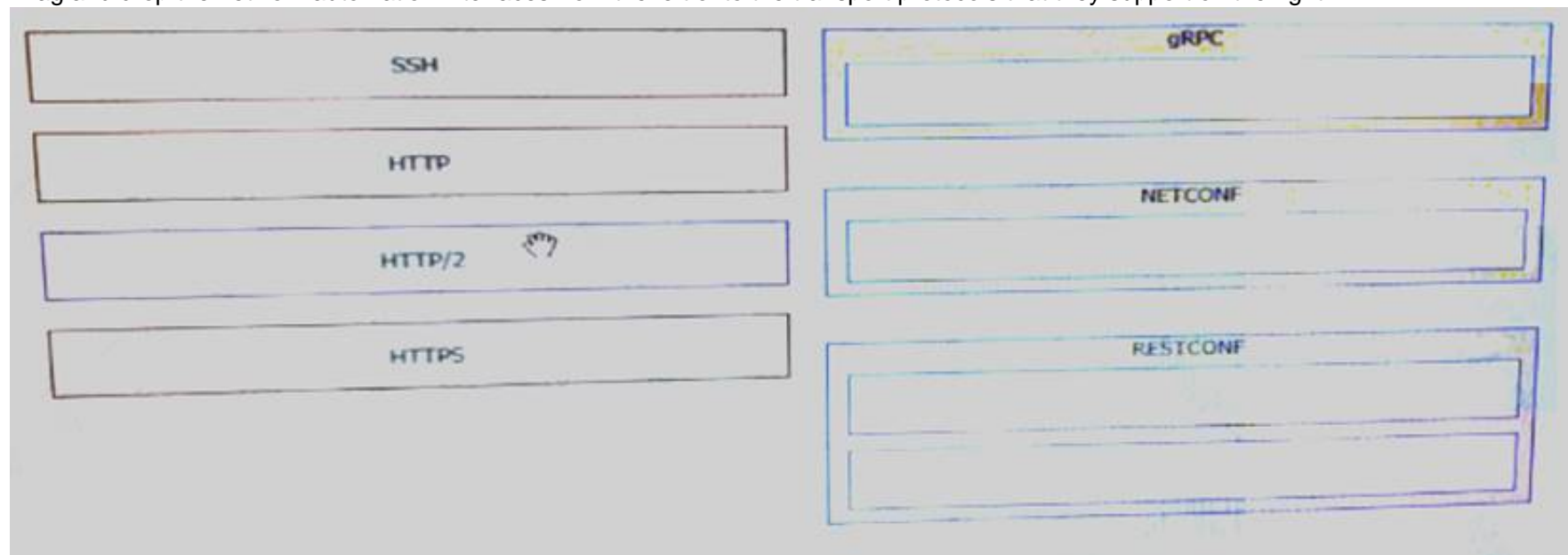
A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 8
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

NEW QUESTION 9
Which description of a default gateway if true?

A. It is a device that receives IP packets that have no explicit next-hop in the routing table.
B. It is a feature that translates between public and private addresses.
C. It is a security feature that denies certain traffic.
D. It is a device that receives Layer 2 frames with an unknown destination address.

Answer: A

NEW QUESTION 10
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 resources.
D. The submitted JSON payload has a formatting issue.

Answer: D

NEW QUESTION 10
Drag and drop the functionalities from the left onto correct networking devices on the right.

ports are different broadcast domain by default	Firewall
ports can be in the same broadcast domain	Load Balancer
uses traffic inspection to make routing decisions	Router
blocks networks traffic by default	Switch

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 14
Which two statements describe the advantages of using a version control system? (Choose two.)

A. It allows for branching and merging so that different tasks are worked on in isolation before they are merged into a feature or master branch.
B. It allows multiple engineers to work against the same code and configuration files and manage differences and conflicts.
C. It provides tooling to automate application builds and infrastructure provisioning.
D. It allows developers to write effective unit tests.
E. It provides a system to track User Stories and allocate to backlogs.
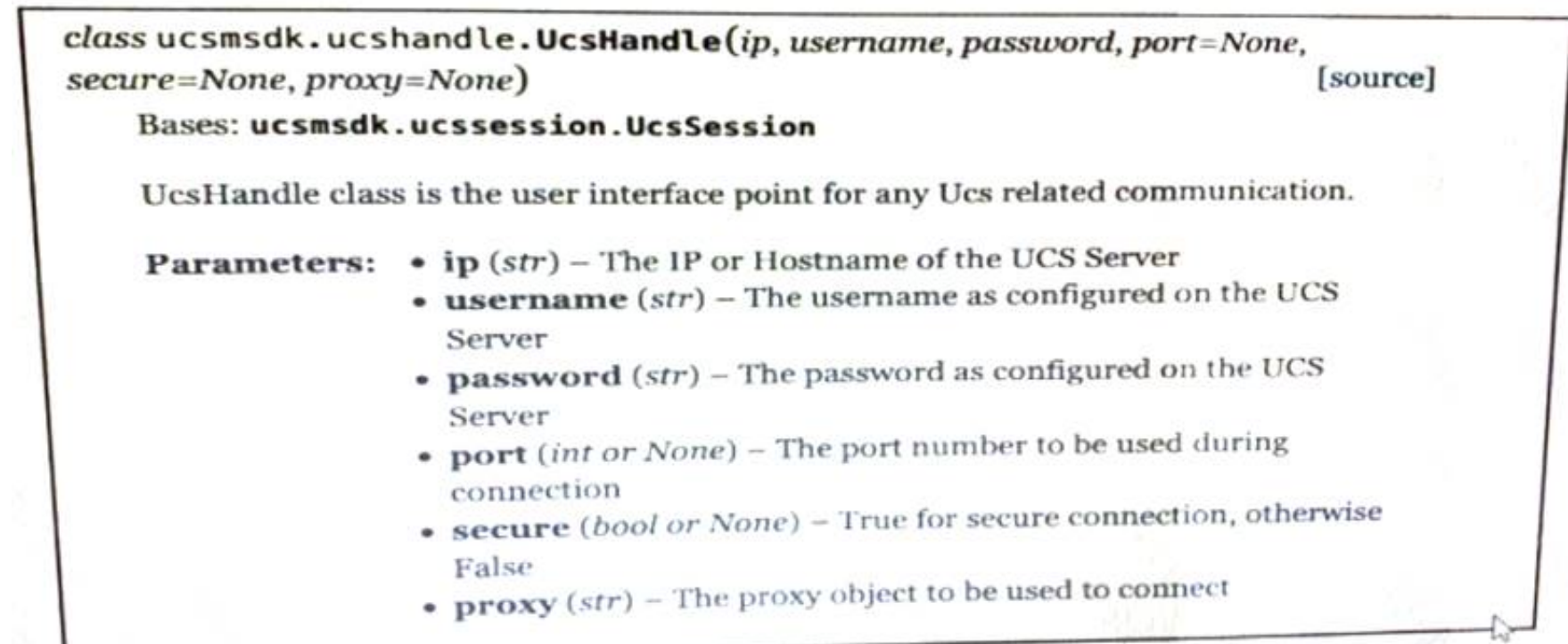
Answer: AB

NEW QUESTION 16
An application calls a REST API and expects a result set of more than 550 records, but each time the call is made, only 25 are returned. Which feature limits the amount of data that is returned by the API?

A. pagination
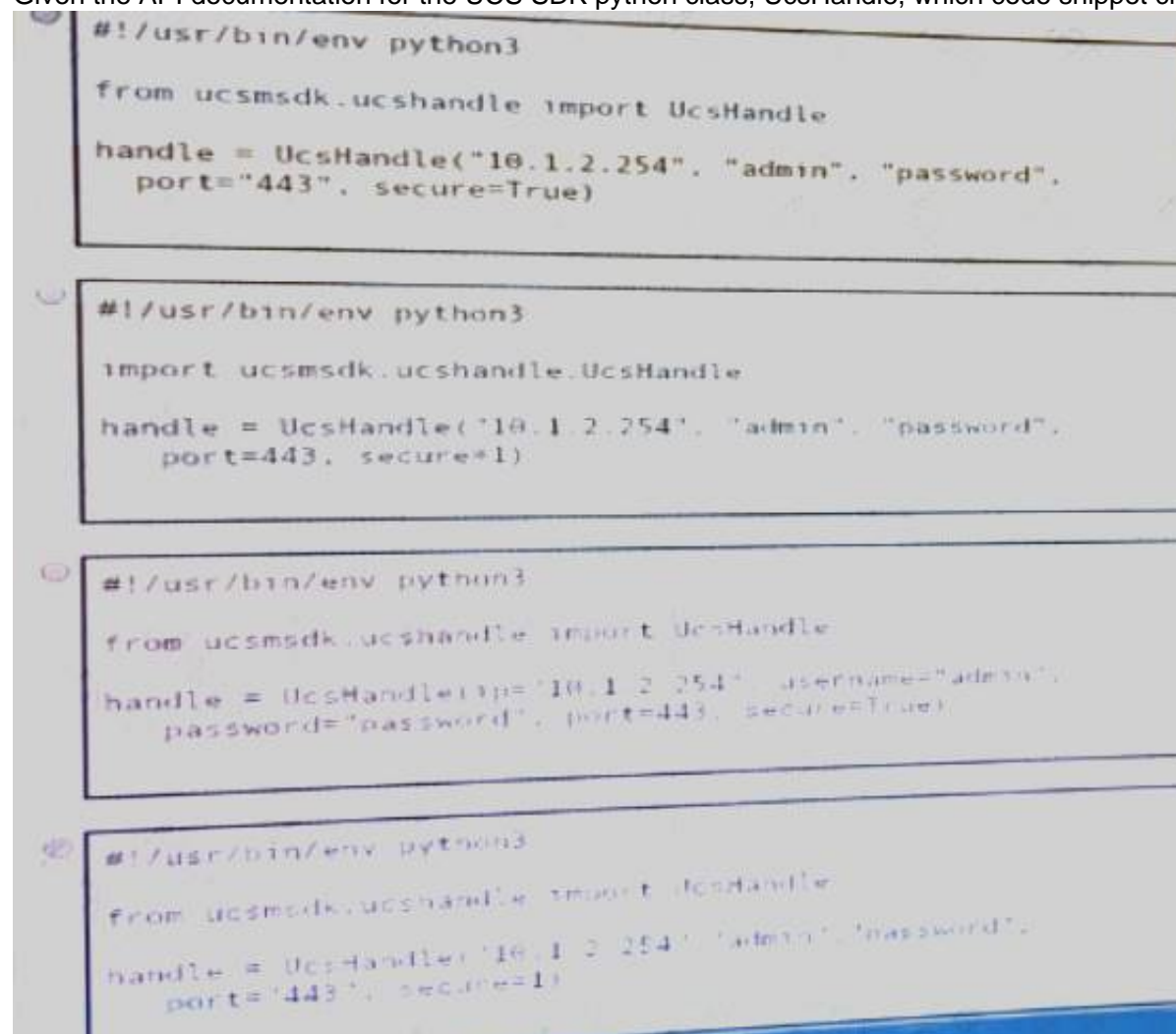B. payload limit
C. rate limiting
D. service timeouts

Answer: A

NEW QUESTION 18
Refer to the exhibit.


```
class ucsmsdk.ucshandle.UcsHandle(ip, username, password, port=None,
    secure=None, proxy=None)                                    [source]
        Bases: ucsmsdk.ucssession.UcsSession

    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?


```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle("10.1.2.254". "admin". "password".
    port="443". secure=True)
```

```
#!/usr/bin/env python3

import ucsmsdk.ucshandle.UcsHandle

handle = UcsHandle('10.1.2.254'. 'admin'. 'password'.
    port=443. secure=1)
```

```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import UcsHandle

handle = UcsHandle(ip='10.1.2.254'. username="admin".
    password='password'. port=443. secure=True)
```

```
#!/usr/bin/env python3

from ucsmsdk.ucshandle import 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

Answer: B

NEW QUESTION 23
Which Cisco DevNet resource allows access to products in a development lab to explore, learn, and build application that use Cisco APLs?

A. DevNet communities
B. DevNet code Exchange
C. DevNet Automation Exchange

D. DevNet sandbox

Answer: D

NEW QUESTION 26
Refer to the exhibit.

```
def process_devices(dnac, token):
    url = "https://{}/api/v1/network-device".format(dnac['host'])
    headers["x-auth-token"] = token
    response = requests.get(url, headers=headers, verify=False)
    data = response.json()
    for item in data['response']:
        print(item["hostname"]," ", item["managementIpAddress"])
```

What is the function of the python script?

A. Count and print the total number of available devices.
B. Iterate over a list of network devices and write all device names and management IP addresses to anoutput file.
C. Iterate over a list of network devices and write all device type and associated management IP address.
D. For each device that is returned, display the device and, for each device, print the device name and management IP address.
E. Loop through the returned list of network devices and, for each device, print the device name management IP address.

Answer: E

NEW QUESTION 28
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

NEW QUESTION 29
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 30
Refer to the exhibit.

```
#!/bin/bash
<item 1>='date +%b-%d-%y'

<item 2>=/home/usr/path/backup-$BACKUPTIME.tar.gz

<item 3>=/home/usr/path/data_folder

tar -cpzf $DESTINATION $SOURCEFOLDER
```

Drag and drop the variables from the left onto the item numbers on the right that match the missing assignments in the exhibit.

BACKUPTIME	<item 1>
SOURCEFOLDER	<item 2>
DESTINATION	<item 3>

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – A, 2 – C, 3 – B

NEW QUESTION 34
Which two descriptions can be given to an application that is interacting with a webhook? (Choose two.)

A. Processor
B. Codec
C. Listener
D. Receiver
E. Transaction monitor

Answer: CD

NEW QUESTION 36
Which two encoding formats do YANG interfaces support?

A. JSON
B. XML
C. XHTML
D. Plain text
E. BER

Answer: AB

NEW QUESTION 37
Fill in the blanks to complete the Python script to update the Webex Teams membership of a room using the Python requests library import requests

```
import requests
url = "https://api.ciscospark.com/v1/memberships/Y2lzY29zcGf yazov371508156INISVAvOTJiM2RkOWEtNjc
1ZC00YTQxLThjNDEtMmFiZGY4OWY0NGY0OjExNzJkNmYwLTJlYzMtMTFlOS1iOWl3LWNmMjg3MTJ
hYTkzNw"

payload = "{\n \"isModerator\": true\n}"
headers = {
'Authorization' 'Bearer '
'Content-Type' 'application/json'
}
response = requests [          ] ('PATCH' url headers=[          ] , data = [          ] )
print(response text.encode('utf8'))
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
request, headers , payload

NEW QUESTION 42
What are two advantages of the Model-view-controller software design pattern? (Choose two.)

A. simplifies network automation
B. allows for multiple views of the same model
C. makes code easier to deploy using CI/CD pipelines
D. reduces need for error handling
E. separates responsibilities of the code, which makes future modifications easier

Answer: BE

NEW QUESTION 45
What are two security benefits of a Docker-based application?

A. easier to patch because Docker containers include only dependencies that the application requires
B. prevents information leakage that can occur when unhandled exceptions are returned in HTTP responses
C. allows for separation of application that traditionally run in the same host
D. natively secures access to secrets that are used by the running application
E. guarantees container images are secured and free of vulnerabilities

Answer: AC

NEW QUESTION 50
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 bundles are produced. However, when the script is run during business hours, report poor voice quality of phones calls. What explains this behavior?

A. The application is running in the Voice VLAN and causes delays and jitter in the subnet.
B. The speed and duplex settings in Cisco DNA Center are sot incorrectly, which causes the transfer to be too slow.
C. 9 The script is written in a low-level programming language where there is no memory safet
D. This causes a buffer overflow and disruption on the network.
E. Generating the logs causes the CPU on the network controller to spike, which causes delays m forwarding the voice IP packets.

Answer: D

NEW QUESTION 53
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:

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 58
Which statement describes the benefit of using functions in programming?

A. Functions allow problems to be split into simpler, smaller groups, and reduce code repetition, which makes the code easier to read.
B. Functions ensure that a developer understands the inner logic contained before using them as part of a script or application.
C. Functions create the implementation of secret and encrypted algorithms.
D. Functions store mutable values within a script 01 application.

Answer: A

NEW QUESTION 62
Refer to the exhibit.

```
$ pyang -f tree Cisco-IOS-XE-native.yang
module: Cisco-IOS-XE-native
  +--rw native
     +--rw logging
        +--rw monitor|
           +--rw severity?  logging-level-type

$ curl --insecure -v -X PATCH \
    "https://ios-xe-mgmt-latest.cisco.com:9443/restconf/data/Cisco-IOS-XE-native:native" \
    -H 'Authorization: Basic ZGV2ZWxvcGVyOkMxc2N2MTIzNDU=' -H 'Accept: application/yang-data+json' \
    -H 'Content-Type: application/yang-data+json' \
    -d '{ "Cisco-IOS-XE-native:native" : { "logging" : { "monitor" : { "severity" : "alerts" }} } }'
> ...
< ...
< HTTP/1.1 204 No Content
```

The definition of the YANG module and a RESTCONF query sent to a Cisco IOc XE device is shown. Which statement is correct if the RESTCONF interface responds with a 204 status code?

A. The query failed at retrieving the logging seventy level.
B. The query failed to set the logging seventy level due to an invalid path.
C. The query retrieved the logging seventy level.
D. The query updated the logging seventy level or created it if not present on the device.

Answer: D

NEW QUESTION 63
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