

## 200-901 Dumps

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

<https://www.certleader.com/200-901-dumps.html>



### NEW QUESTION 1

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

- A. stateless
- B. uniform interface
- C. cacheable
- D. client-server

**Answer:** A

### NEW QUESTION 2

Refer to the exhibit.

```
curl -X GET -H "Accept: application/json" \
-H "Authorization: Bearer AbCdEf123456" https://localhost/api/myresource
```

A process on the host wants to access the service running inside this Docker container. Which port is used to make a connection?

- A. only outbound connections between 3000 and 5000 are possible
- B. port 3000
- C. any port between 3000 and 5000
- D. port 5000

**Answer:** B

### NEW QUESTION 3

Which two use cases are supported by Meraki APIs? (Choose two.)

- A. Retrieve live streams from a Meraki Camera.
- B. Build a custom Captive Portal for Mobile Apps.
- C. Configure network devices via the Dashboard API.
- D. Build location-aware apps from Wi-Fi and LoRaWAN devices.
- E. Deploy applications onto the devices.

**Answer:** BC

### NEW QUESTION 4

Fill in the blanks to complete the python script to request a service ticket using the APIC-EM rest API for the user “devnetuser”.

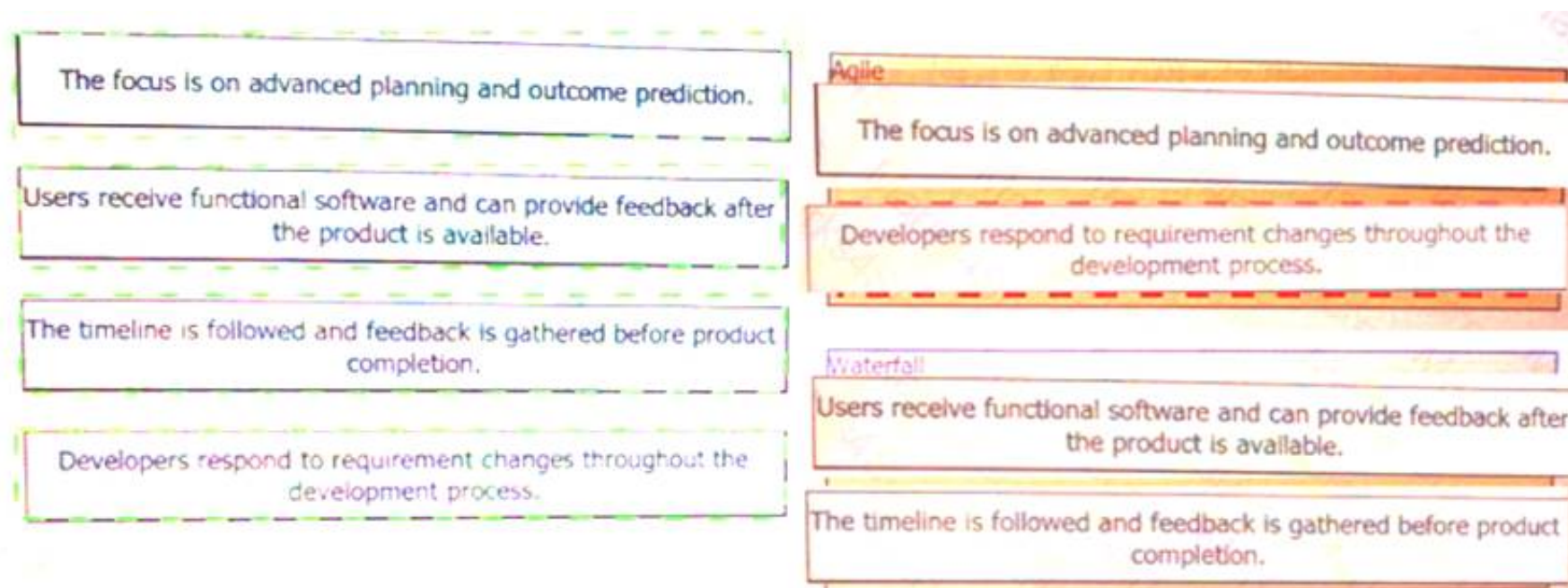
The focus is on advanced planning and outcome prediction.	Agile
Users receive functional software and can provide feedback after the product is available.	
The timeline is followed and feedback is gathered before product completion.	
Developers respond to requirement changes throughout the development process.	Waterfall

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Solution as below



#### NEW QUESTION 5

Which statement about authentication a RESTCONF API session with a router that runs Cisco IOS XE software is true?

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

**Answer: C**

#### NEW QUESTION 6

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 ZGV2ZWxvcGVyOkMxc2NmMTIzNDU=' -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
```

What is represented in this YANG module?

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

**Answer: A**

#### NEW QUESTION 7

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 8

Drag and drop the network component names from the left onto the correct descriptions on the right. Not all options are used.

```
#!/bin/bash
BACKUPTIME    =`date +%b-%d-%y`
DESTINATION   =/home/usr/path/backup-$BACKUPTIME.tar.gz
SOURCEFOLDER  =/home/usr/path/data_folder

tar -cpzf $DESTINATION $SOURCEFOLDER
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 – A, 2 – B, 3 – D, 4 – C

**NEW QUESTION 9**

What is the outcome of executing this command?

```
git clone ssh://john@exmaple.com/path/to/my-project_git
```

- A. Creates a local copy of a repository called “my project”
- B. Creates a copy of a branch called “my project”
- C. Initiates a new Git repository called “my project”
- D. Creates a new branch called “my project”

**Answer:** A

**NEW QUESTION 10**

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"
  ]
}
```

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

- A. The script waits until input is entered
- 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 until 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 folder
- F. The script goes into directory and makes a new directory.

**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 resource.
- D. The submitted JSON payload has a formatting issue

**Answer:** D

#### NEW QUESTION 13

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 17

Which platform has an API that be used to obtain a list of vulnerable software on user devices?

- A. Cisco Umbrella
- B. Cisco Firepower
- C. Cisco Identity Services Engine
- D. Cisco Advanced Malware Protection

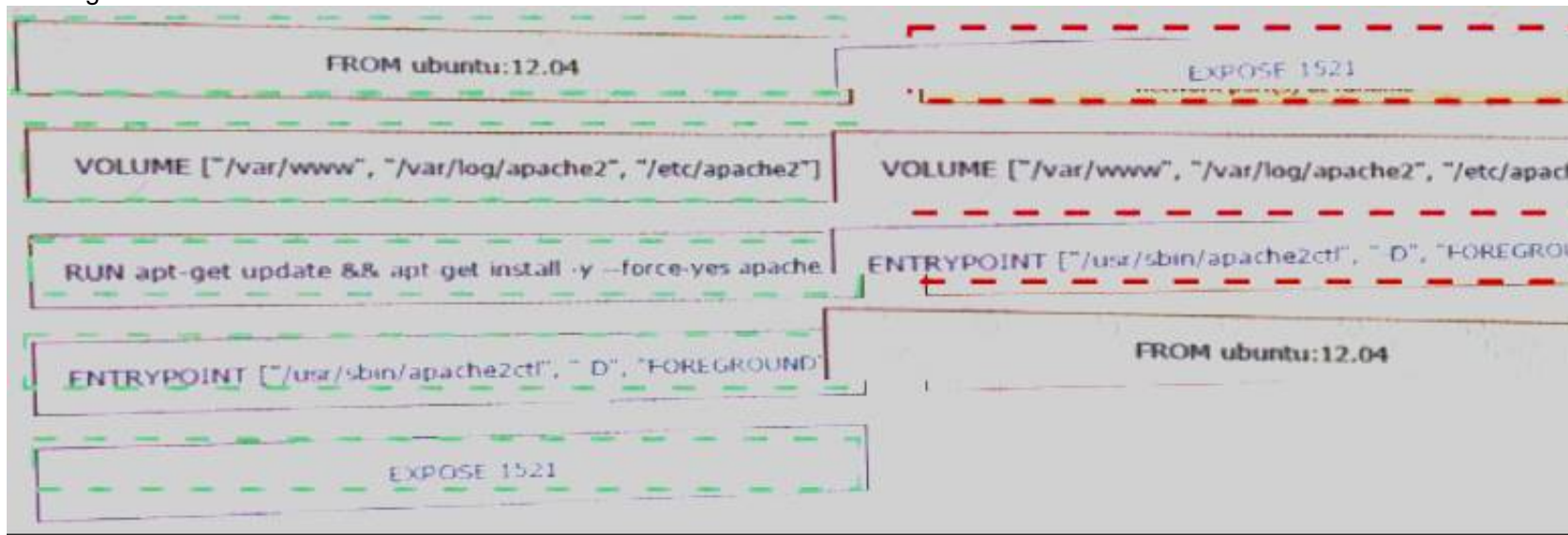
**Answer:** D

#### NEW QUESTION 21

Refer to the exhibit.

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	

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.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

?sortBy=lastactivity

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

#### NEW QUESTION 22

Which description of a default gateway is 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 26

Which status code is used by a REST API to indicate that the submitted payload is incorrect?

- A. A.-400B.403C.405D.429

**Answer:** A

#### NEW QUESTION 29

What is an example of a network interface hardware address?

- A. domain name
- B. IP address
- C. workstation name
- D. MAC address

**Answer:** D

#### NEW QUESTION 30

Refer to the exhibit.

```
>>> from cli import *
>>> import json

>>>
>>> cli('configure terminal ; interface loopback 5 ; no shut')
''
>>> intflist=json.loads(clid('show interface brief'))
>>> i=0
>>> while i < len (intflist['TABLE_interface']['ROW_interface']):
...     intf=intflist['TABLE_interface']['ROW_interface'][i]
...     i=i+1
...     if intf['state'] == 'up':
...         print intf['interface']
```

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 32

Which two statements are true about Cisco UCS manager, Cisco Intersight APIs? (Choose two.)

- A. Cisco Intersight API interactions can be encoded in XML or JSON and require an APIs key in the HTTP header for authentication.
- B. USC Director API interactions can be XML- or JSON-encoded and require an APLs key in the HTTP header for authentication.
- C. UCS manager API interactions are XML-encoded and require a cookie in the method for authentication.
- D. Cisco Intersight uses XML to encoded API interactions and requires an API key pair for authentication.
- E. UCS manager uses JSON to encode API interactions and utilizes Base64-encoded credentials in the HTTP header for authentication.

**Answer:** BC

### NEW QUESTION 35

Which line is an example of the start of a chunk from a unified diff?

- A. @@ -90,88 +20191008T1349@@
- B. @@ -20191007T1200 +88,90 @@
- C. @@ -20191007T1200 +20191008T1349@@
- D. @@ -88,10 +88,6 @@

**Answer:** D

### NEW QUESTION 40

Which two types of NAT are used in a network? (Choose two.)

- A. Static NAT
- B. Normal NAT
- C. Multicast NAT
- D. Dynamic NAT
- E. Router NAT

**Answer:** AD

### NEW QUESTION 41

Which PAI is used to obtain data voicemail ports?

- A. Finesse gadgets
- B. Cisco Unified Communications manager
- C. Webex devices
- D. Webex teams

**Answer:** B

### NEW QUESTION 45

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.

HTTP GET /v1/rooms ?sortBy=lastactivity



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 – C, 2 – D, 3 – B, 4 - A

#### NEW QUESTION 46

Drag and drop elements of the RESTCONF protocol stack from the left onto the correct description on the right. Not all elements on the left are used.

```
List the networks in a Meraki organization:

GET https://api.meraki.com/api/v0/organizations/<org_id>/networks
Response code: 200
Response body: [ {
  "id": <network_id>,
  "name": "Test Network",
  "organization_id": <new_org_id>,
  "type": "wireless",
  "timeZone": "America/Los_Angeles",
  "tags": " test "
}]
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 – B, 2 – E, 3 - F

#### NEW QUESTION 51

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 52

Refer to the exhibit.

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

An administrator attempts to perform a GET using the Cisco IOS XE RESTOCNF API to return the hostname of a device. The sequence diagram illustrated the HTTP message observed. Which change to the API request resolves the issue?

- A. Add Content-Type HTTP header with 'application/yang-data+json' using –H 'Content-Type: application/yang-data+json'.
- B. Use -u cisco: cisco instead of -u 'cisco: cisco'.
- C. Change the request method from -X "GET" to- X' POST".
- D. Remove the -H 'Accept: application/yang-data^/son' HTTP header because it is not required.

**Answer:** B

#### NEW QUESTION 53

Refer to the exhibit.



blocks networks traffic by default

uses traffic inspection to make routing decisions

ports are different broadcast domain by default

ports can be in the same broadcast domain

Given the API documentation for the UCS SDK python class, UcsHandle, which code snippet creates a handle instance?

```
---
- 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
```

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

**Answer:** B

#### NEW QUESTION 57

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

#### NEW QUESTION 60

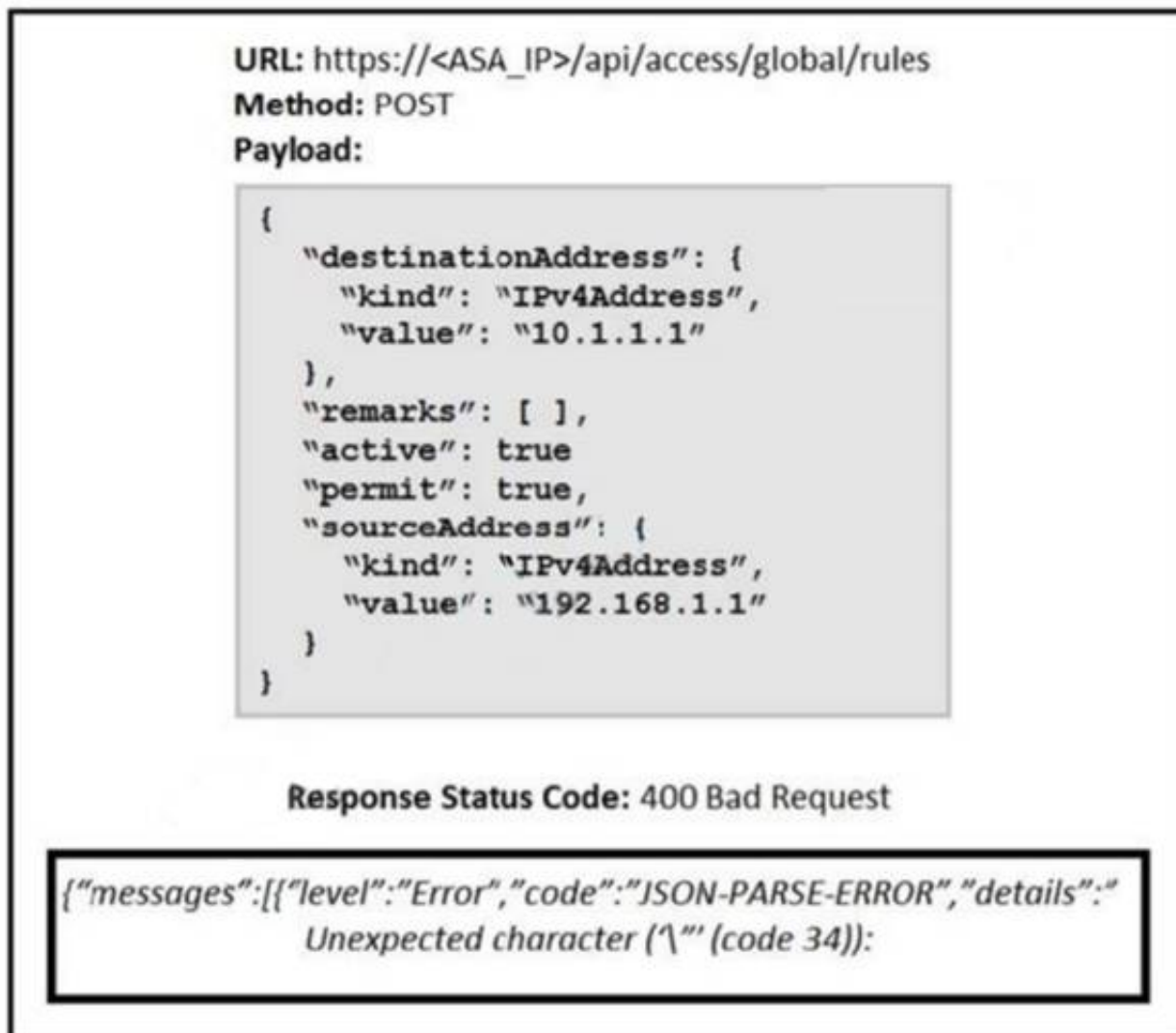
Which device is a system that monitors and controls incoming and outgoing network traffic based on predetermined security rules?

- A. Switch
- B. Router
- C. Firewall
- D. Load balancer

**Answer: C**

#### NEW QUESTION 63

Refer to the exhibit.



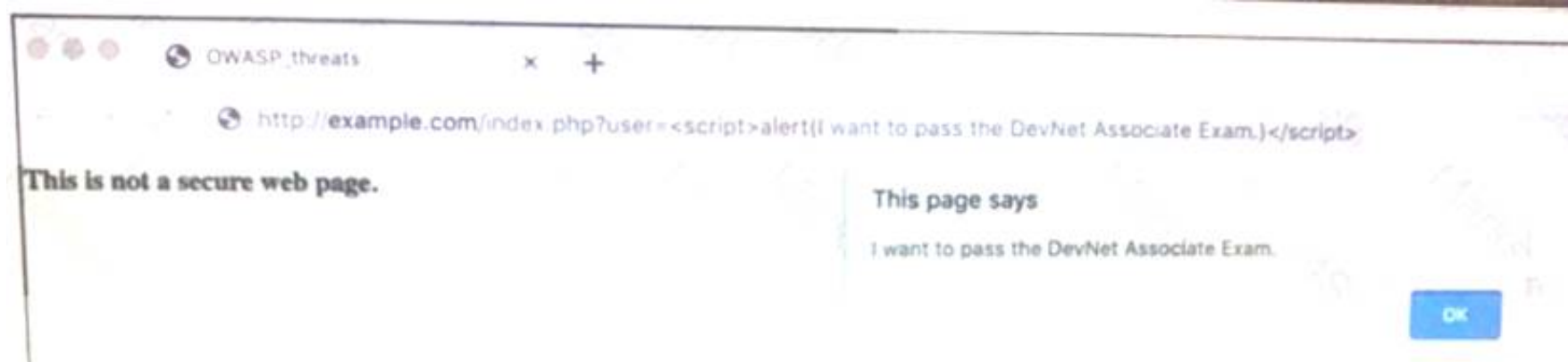
What is the function of the python script?

- 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 an output 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 68

Fill in the blanks to complete the cURL command that invokes a RESTful API to retrieve a resource in JSON format using OAuth.



curl -X \_\_\_\_\_ -H " \_\_\_\_\_: application/json" \  
-H " \_\_\_\_\_: Bearer AbCdEf123456" https://localhost/api/myresource

- A. Mastered
- B. Not Mastered

**Answer: A**

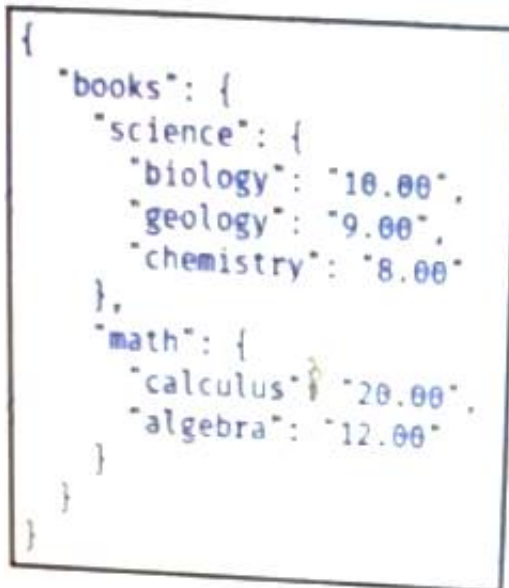
#### Explanation:

See the solution below.

```
<books>
  <science>
    <biology>10.00</biology>
    <geology>9.00</geology>
    <chemistry>8.00</chemistry>
  </science>
  <math>
    <calculus>20.00</calculus>
    <algebra>12.00</algebra>
  </math>
</books>
```

#### NEW QUESTION 72

Drag and drop the descriptions from the left onto correct application deployment models on the right.



```
{
  "books": {
    "science": {
      "biology": "10.00",
      "geology": "9.00",
      "chemistry": "8.00"
    },
    "math": {
      "calculus": "20.00",
      "algebra": "12.00"
    }
  }
}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

1 – B, 2 – E, 3 – C, 4 – D, 5 – A

#### NEW QUESTION 73

Refer to the exhibit.

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

The python interpreter and the Cisco python SDK are available by default in the Cisco NX-OS software. The SDK documentation shows how the cild() API can be used when working with JSON and XML. What are two effect of running the script? (Choose two.)

- A. configure interlace loopback 5
- B. issue shutdown on interface loopback 5
- C. show only the interfaces In the up status
- D. show only the interfaces in admin shut status
- E. show details for the TABLE interface

**Answer:** AC

#### NEW QUESTION 76

Which platform is run directly using a hypervisor?

- A. Virtual
- B. Bare metal systems
- C. Containers
- D. Applications



Answer: C

NEW QUESTION 77

Drag and drop the HTTP status codes from the left onto the correct descriptions on the right.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 – B, 2 – D, 3 – A, 4 – C

NEW QUESTION 82

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

Response Headers	A
HTTP Request	B
HTTP Response	C
Request Payload	D
Request Headers	E
Response Payload	F

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

request, headers , payload

NEW QUESTION 83

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 84

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 or application.

**Answer:** A

#### NEW QUESTION 85

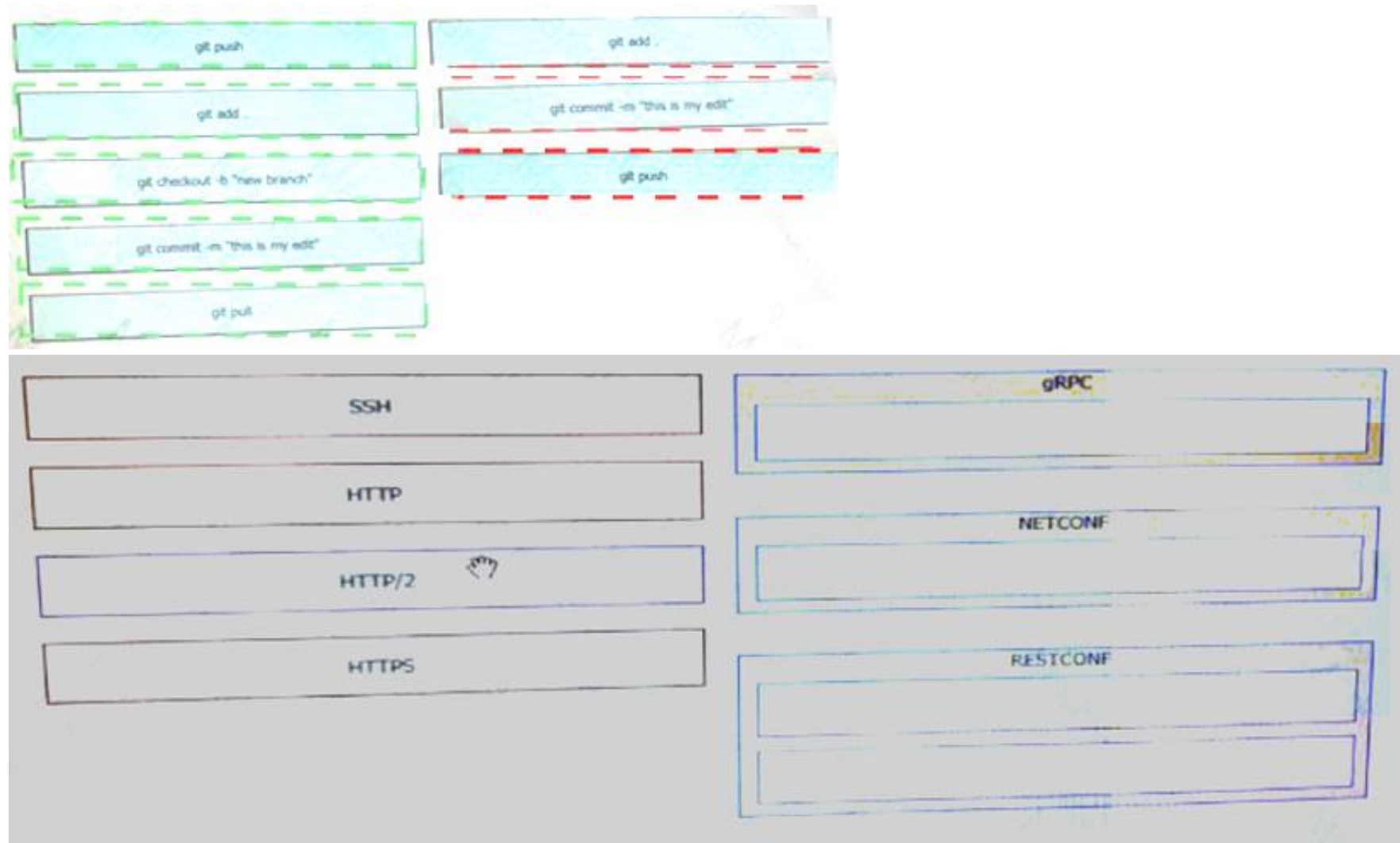
Which two concepts describe test-driven development? (Choose two.)

- A. It enables code refactoring.
- B. Write a test before writing code.
- C. Implementation is driven by incremental testing of release candidates.
- D. User acceptance testers development the test requirements.
- E. Tests are created when code is ready for release.

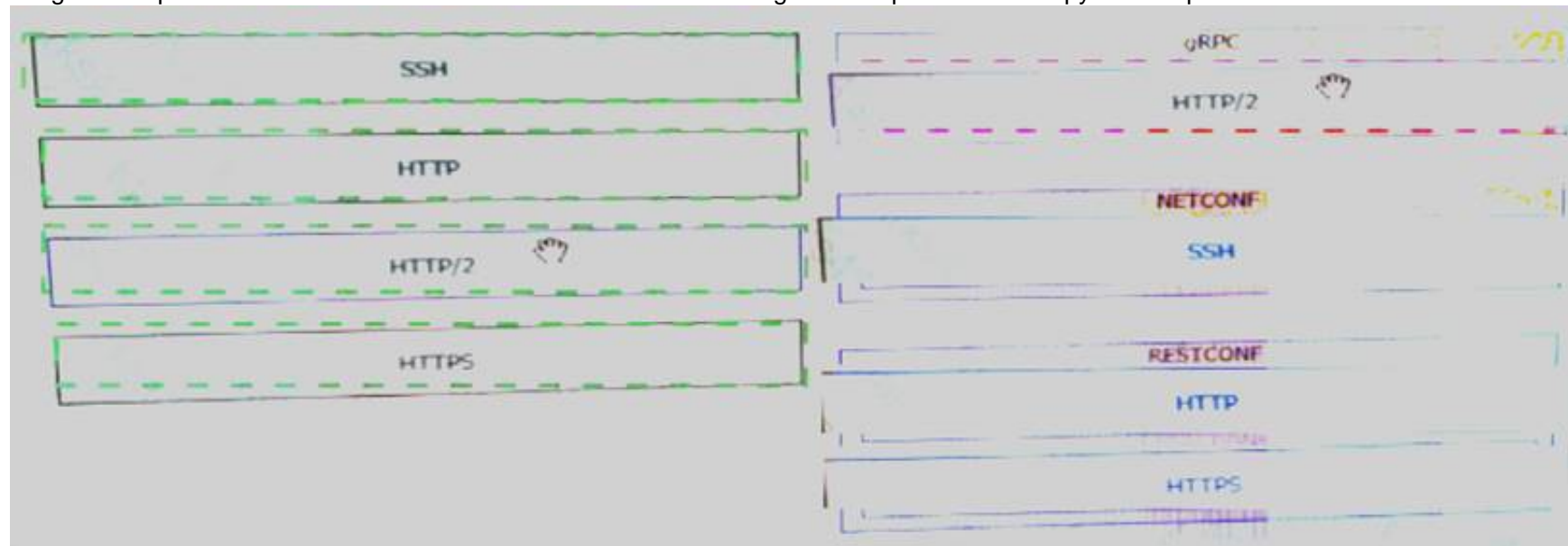
**Answer:** BC

#### NEW QUESTION 90

Refer to the exhibit.



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



- 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 95

Fill in the blanks to complete the python script to retrieve a list of network devices using the Cisco DNA center API.

params	<item 1>
networks	<item 2>
timespan	<item 3>
get	<item 4>
432000	<item 5>
base_url	<item 6>
application/json	<item 7>
network_id	<item 8>
clients	<item 9>
api_key	<item 10>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

params	get
networks	base_url
timespan	networks
get	network_id
432000	clients
base_url	api_key
application/json	application/json
network_id	params
clients	timespan
api_key	432000

**NEW QUESTION 96**

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