Cisco

Exam Questions 200-901

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

NEW QUESTION 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 2
Refer to the exhibit.

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 3
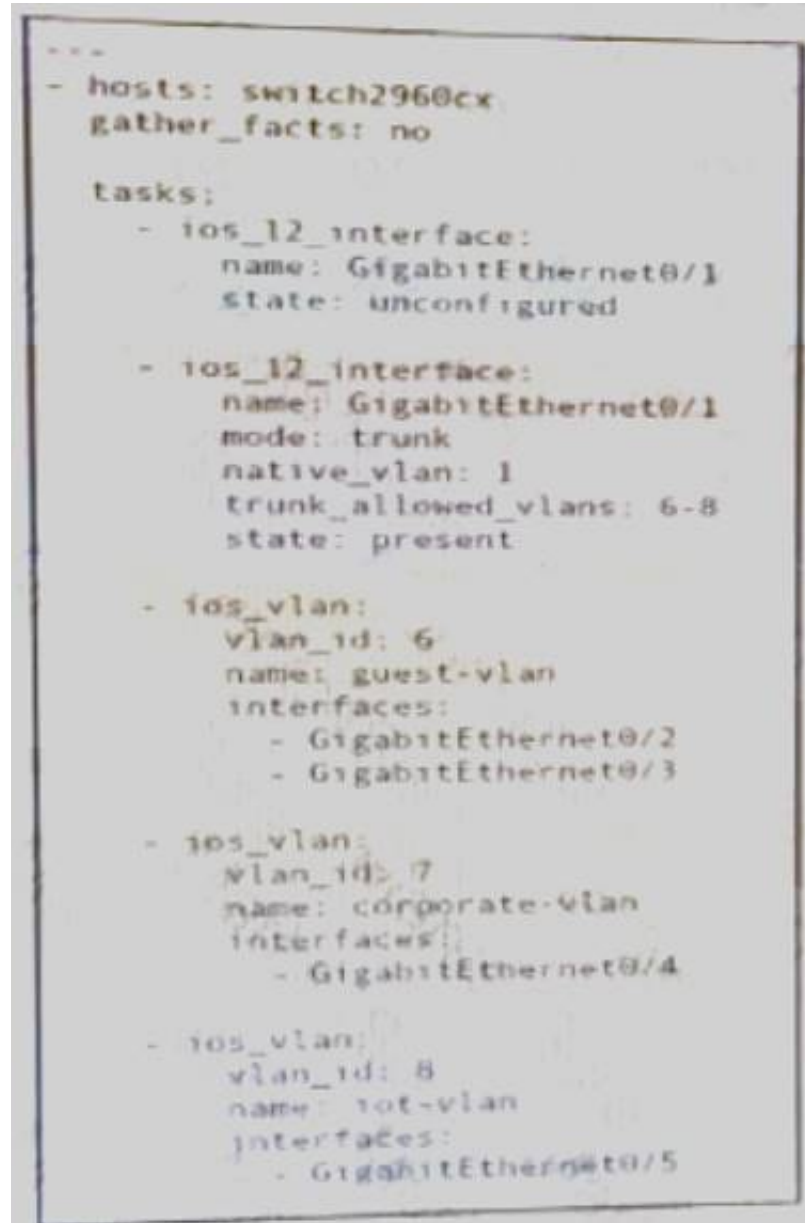Which two use cases are supported by Meraki APIs? (Choose two.)

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
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 5
Which product provides network controller-level management features?

A. Cisco DNA Center
B. Cisco NX-OS
C. Cisco UCS Manager
D. Cisco ISE

Answer: A

NEW QUESTION 6
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 7
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 8
When a Cisco IOS XE networking device is configured using RESTCONF, what is the default data-encoding method?

A. XML
B. x-form-encoding
C. YANG
D. YAML

Answer: A

NEW QUESTION 9
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 10
Drag and drop the network automation interfaces from the left onto the transport protocols that they support on the right.
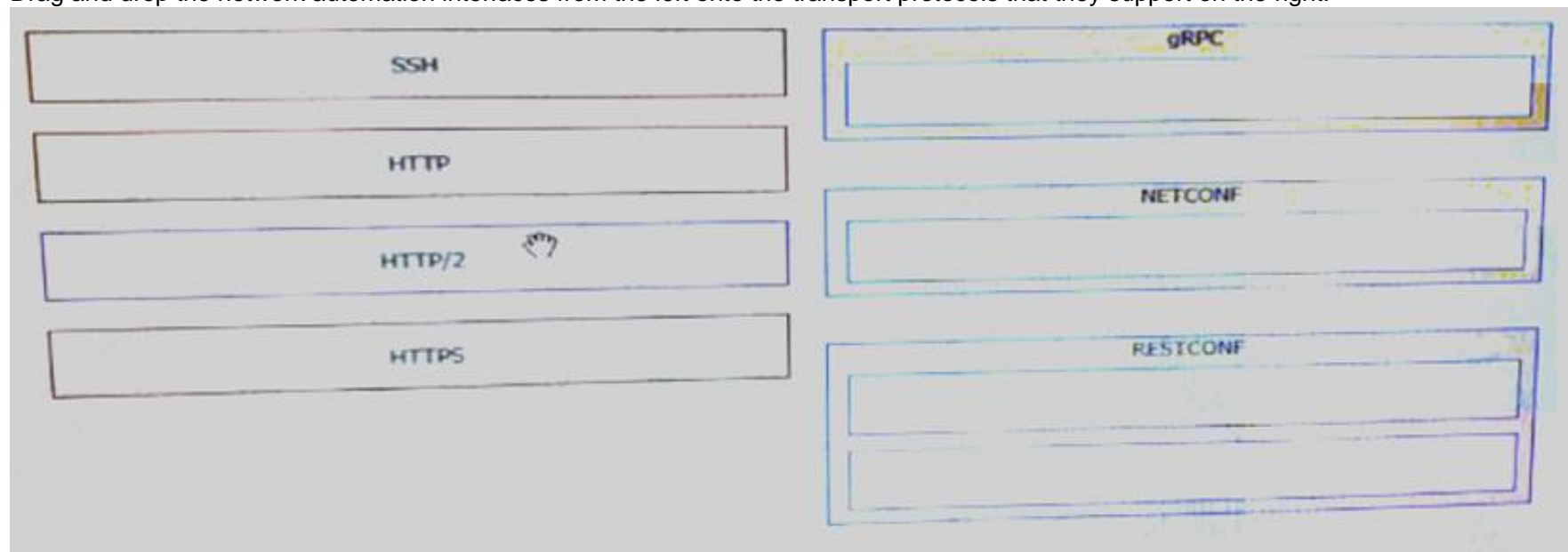
A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 10
Refer to the exhibit.

List the clients that have used this network in the timespan

HTTP REQUEST

```
GET    /networks/{networkId}/clients
```

PARAMETERS

t0

The beginning of the timespan for the data. The maximum lookback period is 31 days from today.

timespan

The timespan for which the information will be fetched. If specifying timespan, do not specify parameter t0. The value must be in seconds and be less than or equal to 31 days. The default is 1 day.

perPage

The number of entries per page returned. Acceptable range is 3 - 1000. Default is 10.

startingAfter

A token used by the server to indicate the start of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

endingBefore

A token used by the server to indicate the end of the page. Often this is a timestamp or an ID but it is not limited to those. This parameter should not be defined by client applications. The link for the first, last, prev, or next page in the HTTP Link header should define it.

```
base_url = "https://api.meraki.com/api/v0"
```

```
base_url = "https://api.meraki.com/api/v0"
network_id = "L_12345678910"
api_key = "1098hadpfsiapsf8ahf8ohp"
requests.<item 1>(
      <item 2> + "/<item 3>/" + <item 4> + "/<item 5>",
      headers = {
            "X-Cisco-Meraki-API-Key": "<item 6>",
            "Content-Type": "<item 7>"
      },
      <item 8>={"<item 9>":<item 10>})
```

Drag and drop the code from the left code from the left onto the item number on the right to complete the Meraki code to obtain a list of client which have used this network.
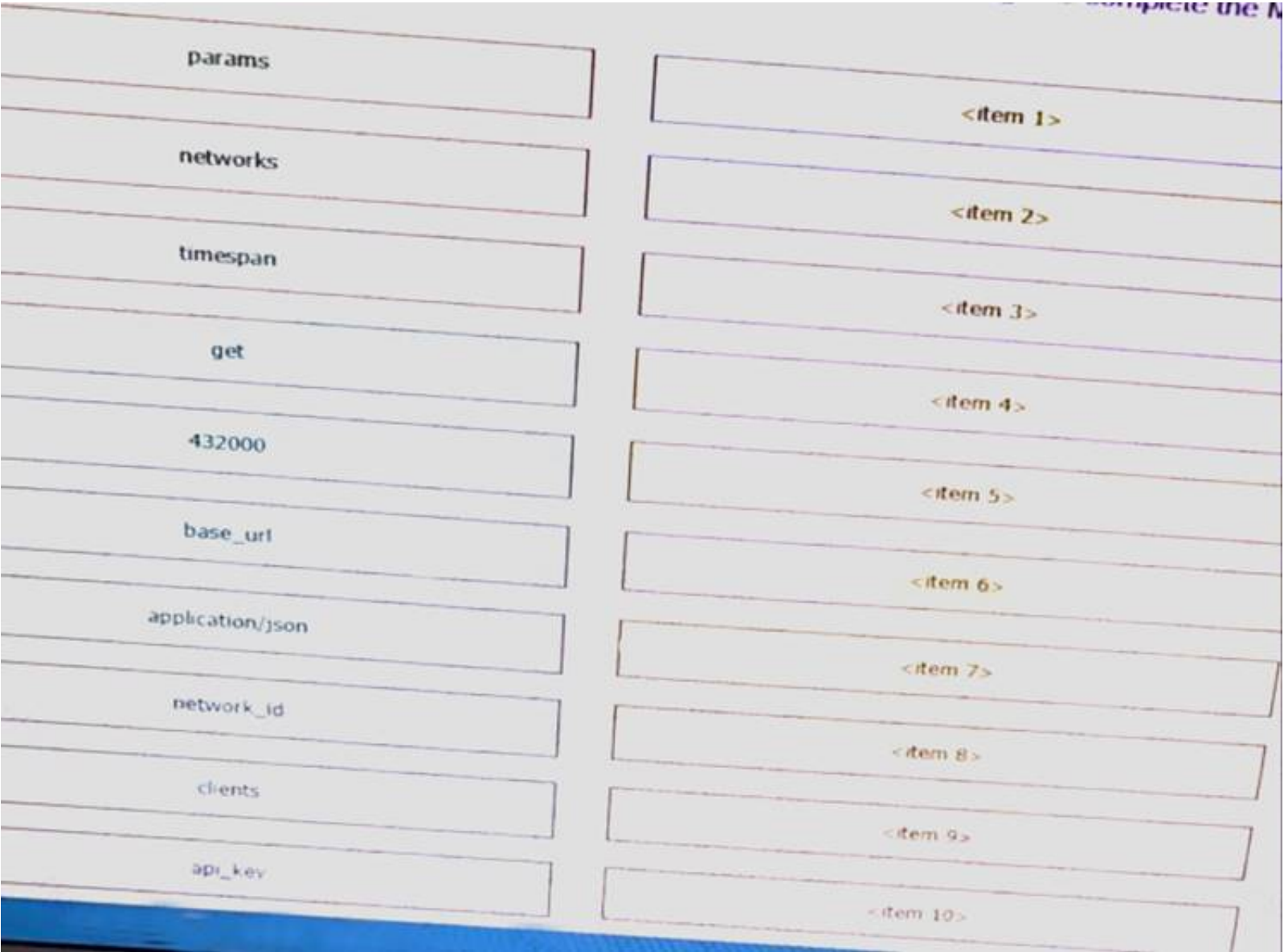
A. Mastered
B. Not Mastered

Answer: A

Explanation:
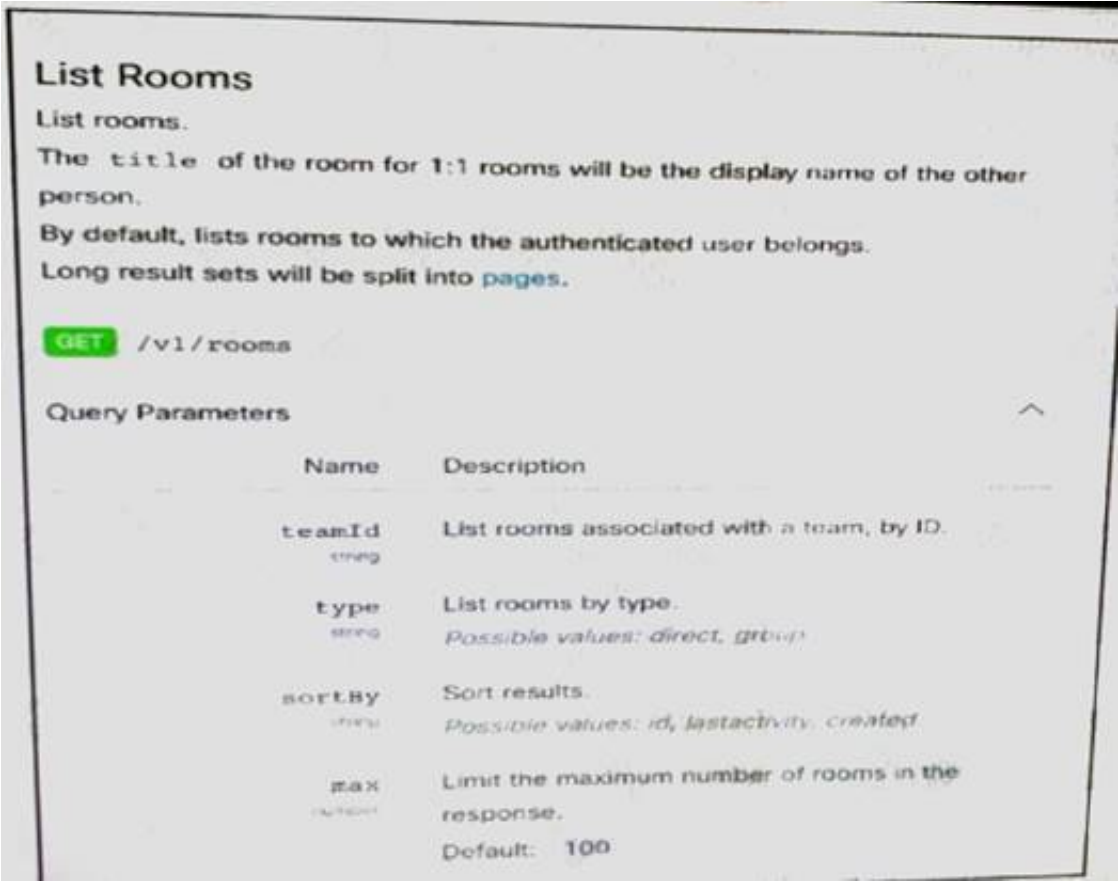1 - d, 2 - f, 3 - b, 4 - h, 5 - i, 6 – j, 7 - g, 8 - a, 9 - c, 10 - e

NEW QUESTION 11
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

NEW QUESTION 12
Refer to the exhibit.

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:
?sortBy=lastactivity

HTTP GET /v1/rooms ?sortBy=lastactivity

NEW QUESTION 16
Refer to the exhibit.

```
1       ---
2    ∨  - hosts: {{ router }}
3         gather_facts: true
4         connection: local
5
6    ∨    tasks:
7    ∨      - ios_command
8    ∨          commands:
9              - show run
10             provider: "{{ router_credentials }}"
11         register: config
12
13   ∨      - copy:
14             content: "{{ config.stdout[0] }}"
15             dest: "etc/ansible/configs/command_{{ router_hostname }}.txt
16       ...
```

What is the effect of this Ansible playbook on an IOS router?

A. A new running configuration is pushed to the IOS router.
B. The current running configuration of the IOS router is backed up.
C. The start-up configuration of the IOS router is copied to a local folder.
D. A new start-up configuration is copied to the IOS router.

Answer: B

NEW QUESTION 20
Which CI/CD tool is an automation tool used to build, test, and deploy software?

A. Nagios
B. Gradle
C. Jenkins
D. Git

Answer: C

NEW QUESTION 23
Which type of HTTP method is used by the Meraki nad webex teams APIs to send webhook notifications?

A. HTTP GET
B. HTTP PUT
C. HTTP HEAD
D. HTTP POST

Answer: D

NEW QUESTION 27
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 28
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 scripted is running
B. Router
C. Switch
D. Load balancer

Answer: D

NEW QUESTION 29
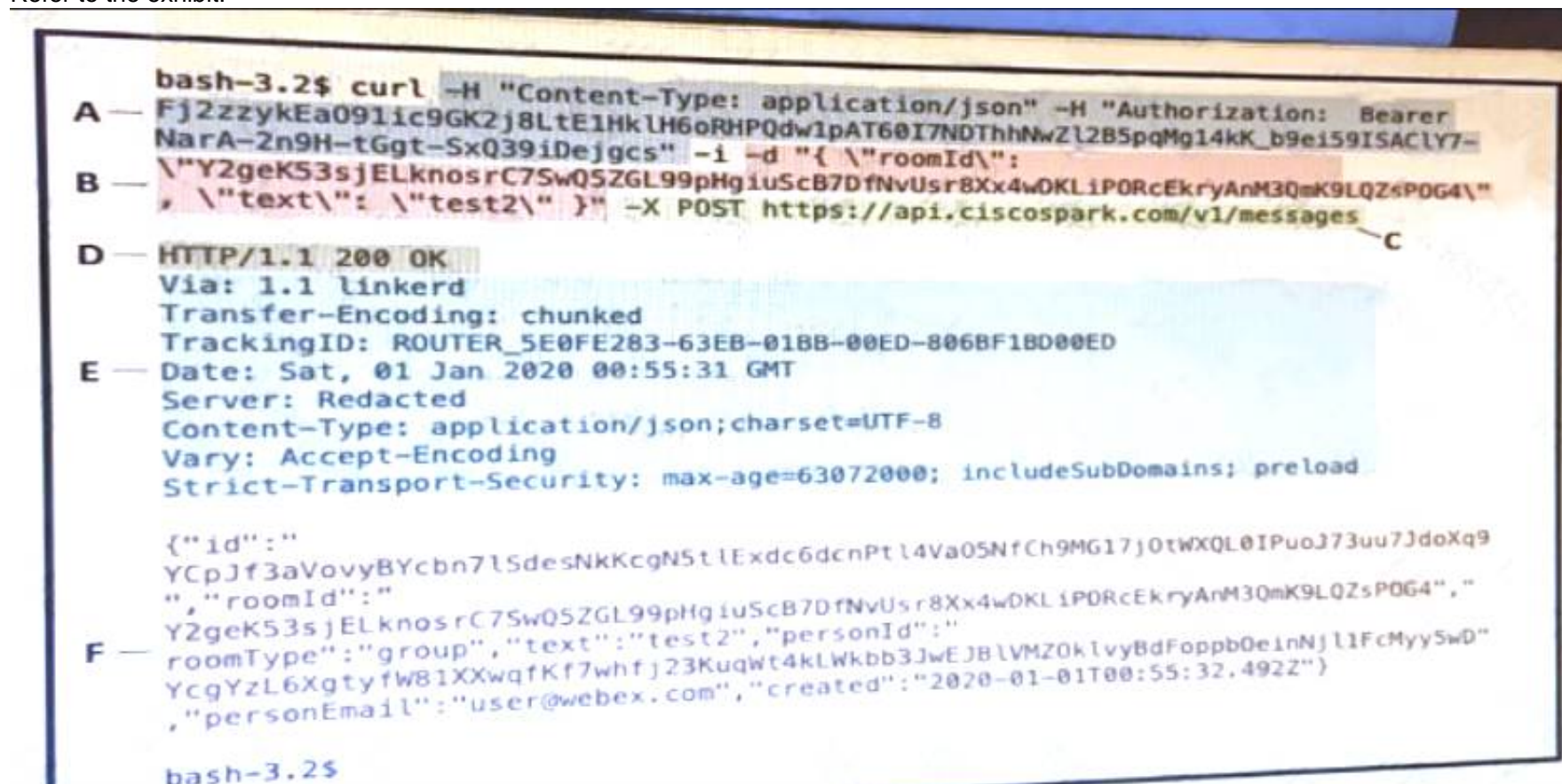Which status code is used by a REST API to indicate that the submitted payload is incorrect?
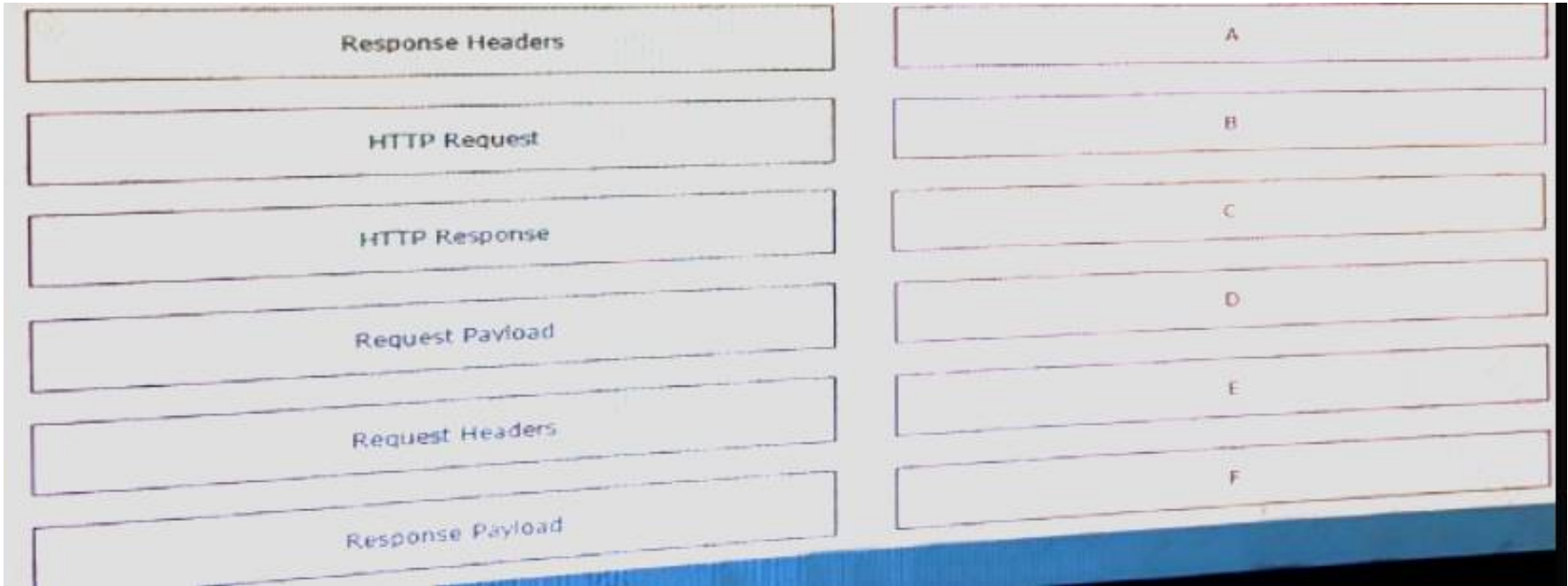
A. A.-400B.403C.405D.429

Answer: A

NEW QUESTION 31
Refer to the exhibit.

Drag and drop the descriptors from the left onto the correct parts of the API request and response on the right.

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:
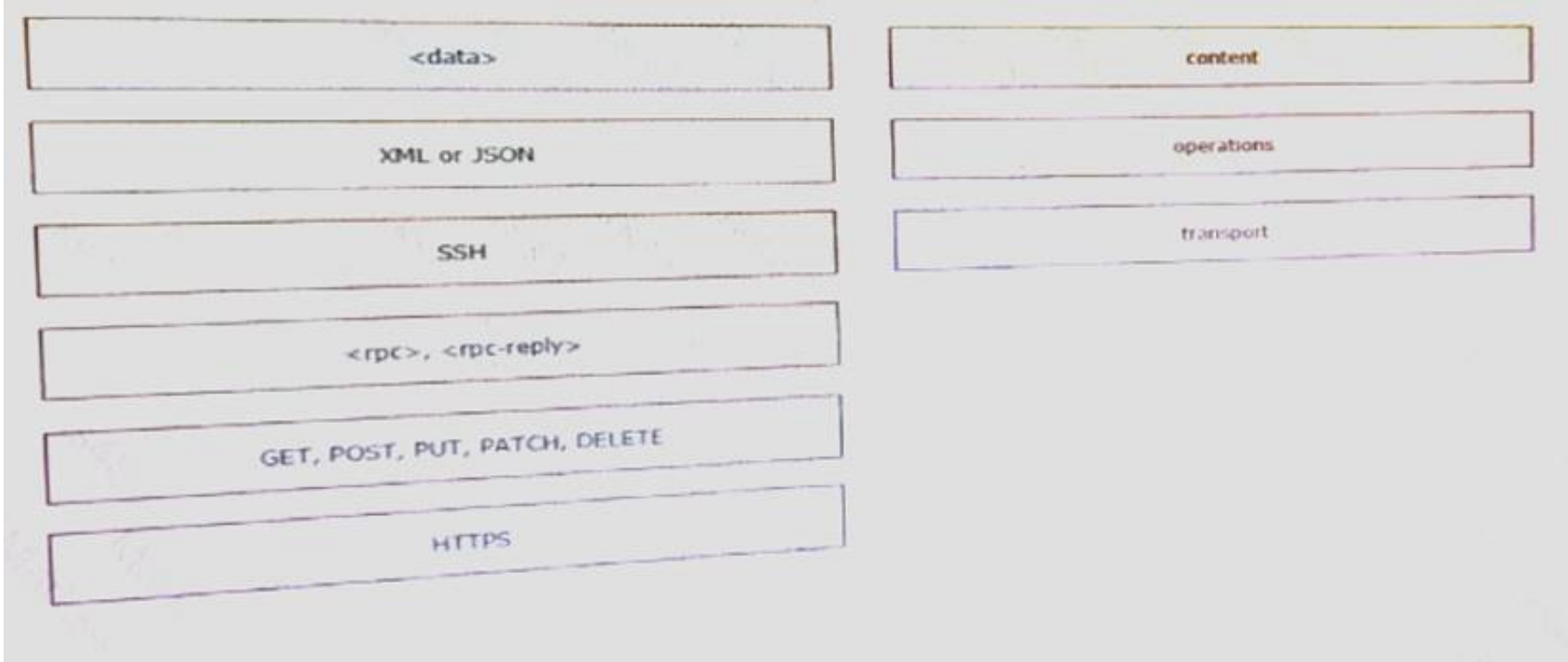A – E, B – D, C – B, D – C, E – A, F – F

NEW QUESTION 32
On which port does NETCONF operate by default?

A. 23
B. 443
C. 822
D. 830

Answer: D

NEW QUESTION 33
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.

<data>		content
XML or JSON		operations
SSH		transport
<rpc>, <rpc-reply>		
GET, POST, PUT, PATCH, DELETE		
HTTPS		

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1 – B, 2 – E, 3 - F

NEW QUESTION 34
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 39
Which task is performed because the test-driven development approach is being used?

A. testing existing software before developing new code
B. refactoring code that is covered by existing tests
C. writing code without committing any coding violations
D. creating test scenarios based on continuous development

Answer: B

NEW QUESTION 42
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 45
Which mechanism is used to consume a RESTful API design when large amounts of data are returned?

A. Data sets
B. Scrolling
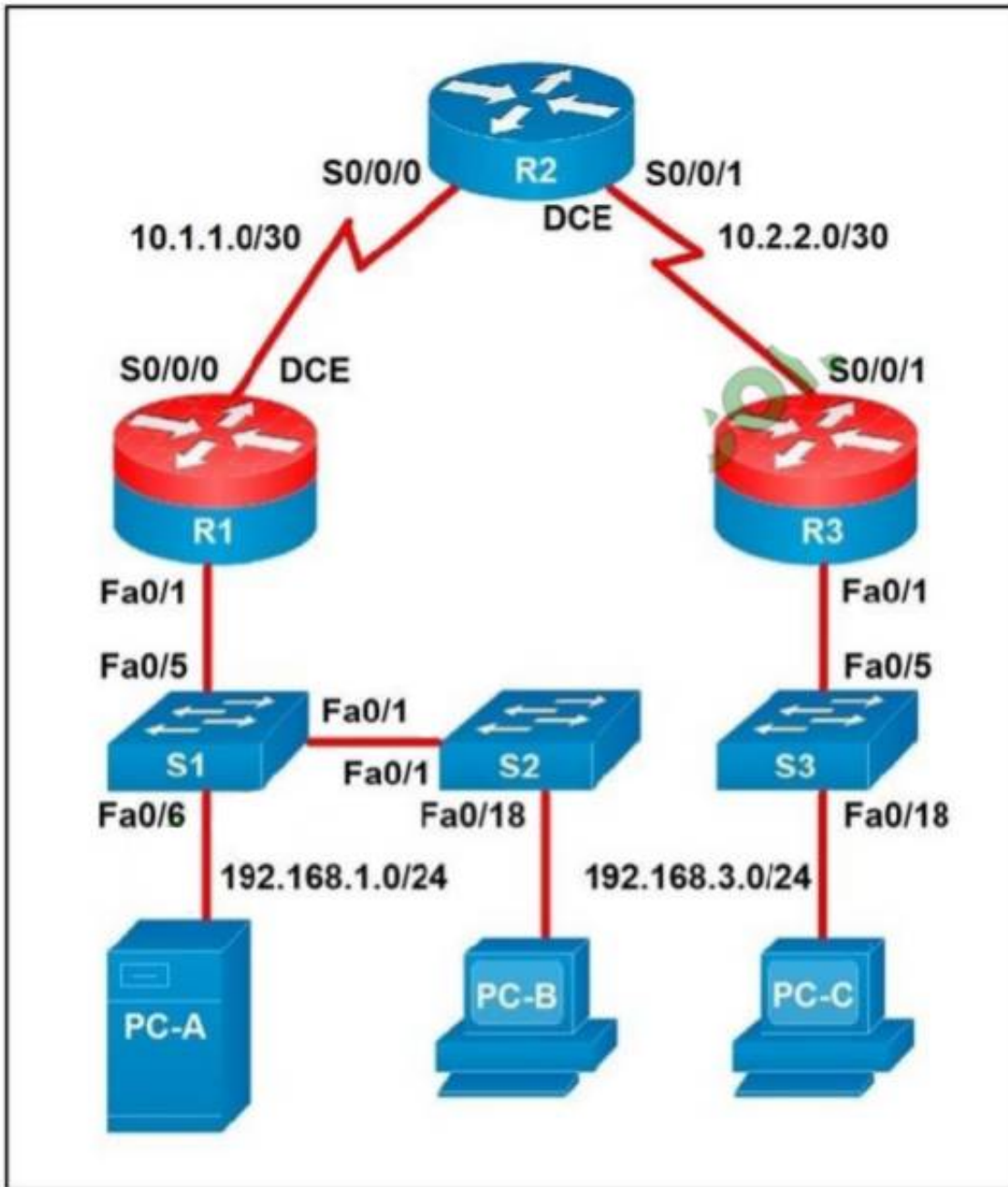C. Blobs
D. Pagination

Answer: D

NEW QUESTION 48
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 50
Refer to the exhibit.

Which two statements about the network diagram are true? (Choose two.)

A. PC-A and PC-B are in the same subnet.
B. One of the routers has two connected serial interfaces.
C. The subnet of PC-C can contain 256 hosts.
D. R1 and R3 are in the same subnet.
E. The subnet address of PC-B has 18 bits dedicated to the network portion.

Answer: BC

NEW QUESTION 52
Which two encoding formats do YANG interfaces support?

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

Answer: AB

NEW QUESTION 55
Which platform is run directly using a hypervisor?

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

Answer: C

NEW QUESTION 58
Which two statements about JSON and XML are true? (Choose two.)

A. JSON objects arc collection of key value paire.
B. The syntax of JSON contains tags, elements, and attributes.
C. JSON arrays are an unordered set of key value pairs.
D. The syntax of XML contains tags, elements, and attributes.
E. XML objects are collections of key-value pairs.

Answer: AD

NEW QUESTION 60
Which two statements describe the traits of an asynchronous API call? (Choose two.)

A. The order in which API calls return can be guaranteed
B. A call to an API does not block the code, but rather it allows application processing to continue
C. The end user can experience latency or performance lag while waiting for the API call to return
D. Code execution blocks or waits for the call to an API to return.
E. A callback function typically is used to process the response from an API call

Answer: BE

NEW QUESTION 63
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

NEW QUESTION 67
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 69
Drag and drop the Docker file instructions from the onto correct descriptions on the right. Not all options are used.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 70
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 ZGV2ZWxvcGVyOkMaZ2ZNVdMTIzNDU=' -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 74
Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Way are local updates failing?

A. The update utility is trying to use a proxy to access the internal resource.
B. The Internet connection is too slow.
C. The Internet is down at the moment, which causes the local server to not be able to respond.
D. The server is running out of disk space.

Answer: A

NEW QUESTION 78
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