



**Cisco**

## **Exam Questions 200-901**

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

**NEW QUESTION 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)

400	Unauthorized
401	Not Found
403	Bad Request
404	Forbidden

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 2**

Refer to the exhibit.

DELETE	Create
GET	Read
PATCH	Update
POST	Update
PUT	Delete

A REST API return 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?

DELETE	POST
GET	GET
PATCH	PATCH
POST	PUT
PUT	DELETE

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

**Answer:** B

**NEW QUESTION 3**

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.	Waterfall
Developers respond to requirement changes throughout the development process.	

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Solution as below

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.	Waterfall
Developers respond to requirement changes throughout the development process.	

**NEW QUESTION 4**

Refer to the exhibit.

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

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**

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**

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**

A developer is writing an application that a REST API and the application requires a valid from the API which element of the response is used in the conditional check?

- A. URL
- B. Status code
- C. Link
- D. Body
- E. Headers

**Answer: B**

**NEW QUESTION 10**

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 11**

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 16**

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 17**

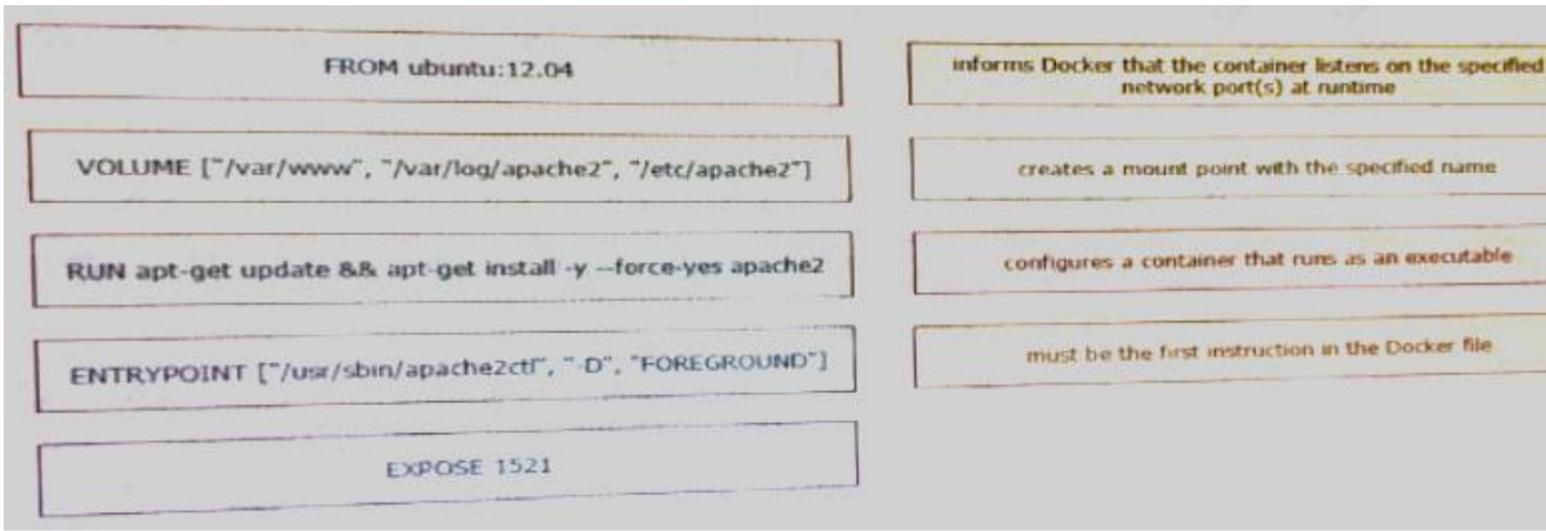
When using the Bash shell, how it the output of the devnet command saved to a file named "output.txt"?

- A. devnet & output.txt
- B. devnet > output.txt
- C. devnet < output.txt
- D. devnet | output.txt

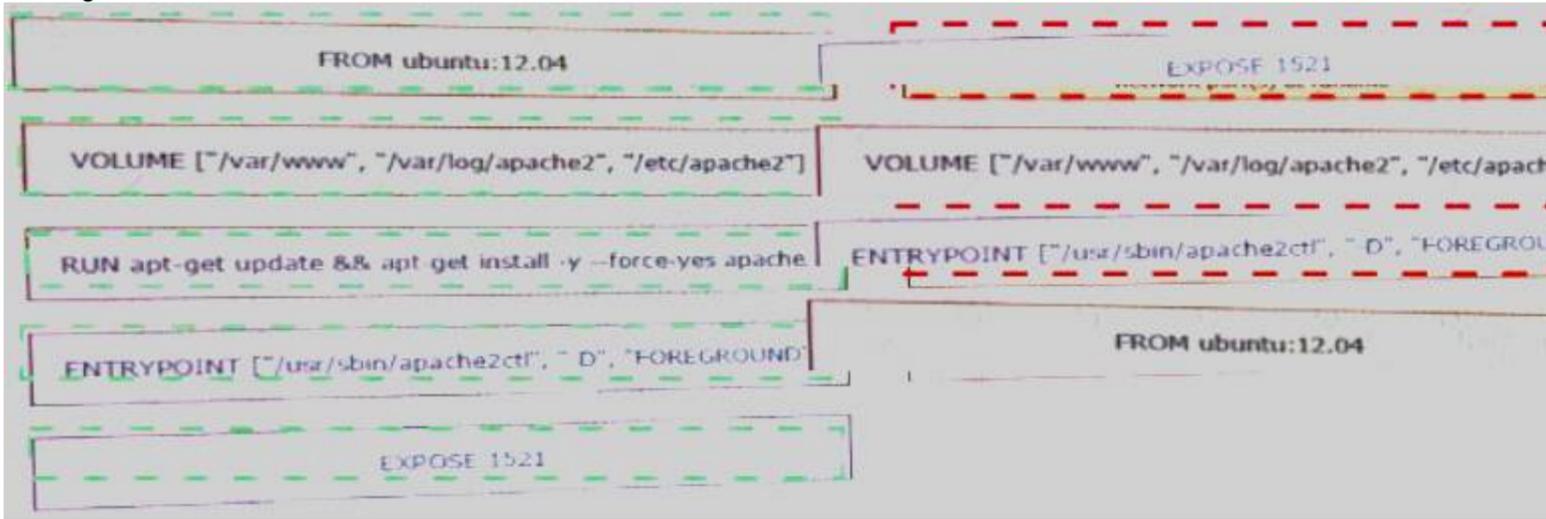
**Answer:** B

**NEW QUESTION 22**

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.



- A. Mastered
- B. Not Mastered

Answer: A

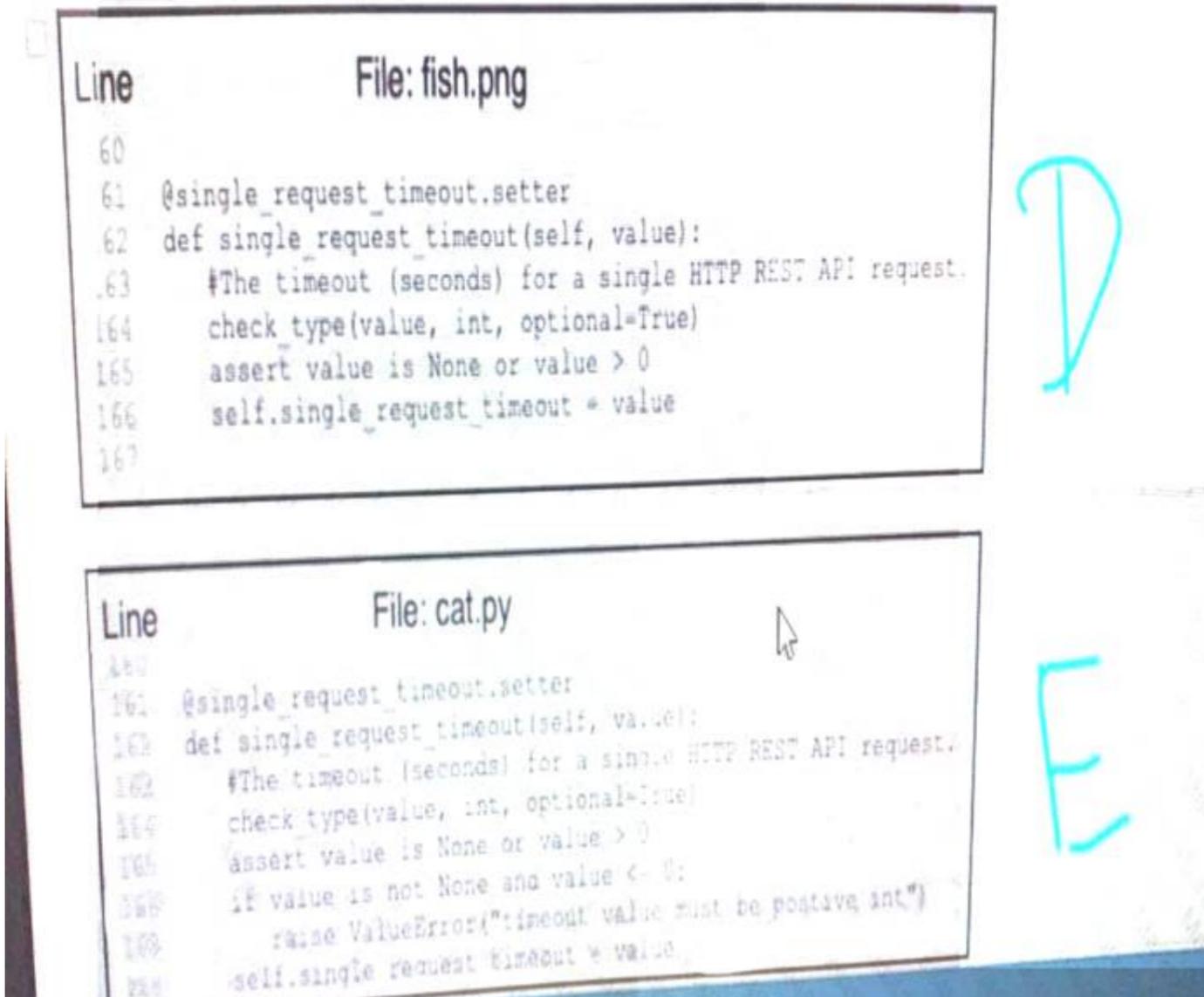
**Explanation:**

?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 25**

Refer to the exhibit.



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 30**

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 35**

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 must be at fault?

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

Answer: D

**NEW QUESTION 40**

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 43**

Refer to the exhibit.

```
leaf IPPeer {
  type union {
    type inet:ipv4-address;
    type inet:ipv6-address;
  }
}
```

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

- {  
  "IPPeer": "10.1.1.1"  
}
- {  
  "IPPeer": "10.1.1.1 2001:db::1"  
}
- {  
  "IPPeer": [  
    "10.1.1.1",  
    "2001:db::1"  
  ]  
}
- {  
  "IPPeer": [  
    "10.1.1.1"  
  ]  
}

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

**NEW QUESTION 45**

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 50**

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 52**

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 56**

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 61**

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

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

```
HTTP GET /v1/rooms
```

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

**Answer: B**

**NEW QUESTION 64**

What should a CI/CD pipeline aim to achieve?

- A. to allow manual testing before deployment
- B. to require minimal manual interaction
- C. to support new deployments on a fixed monthly schedule
- D. to provide a documented process for feedback

**Answer: A**

**NEW QUESTION 68**

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 71**

Drag and drop the HTTP methods from the left onto their generally accepted corresponding create, read, update, and delete operations on the right.

```

"organization_id": <new_org_id>,
"type": "wireless",
"timeZone": "America/Los_Angeles",
"tags": " test "
} ]
    
```

t. Fill in the blanks to complete the cURL command to list the networks in the Meraki organization with an Id of 384279060:

```

meraki.com/api/v0/organizations [ ] /384279060 [ ] /networks [ ] \
-X-API-Key: '$meraki_api_key'
    
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 – D, 2 – B, 3 – C, 4 – E, 5 – A

**NEW QUESTION 72**

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 74**

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 75**

Drag and drop the element of the Finesse API on the left onto the description of its functionality on the right.

```

module ex-ethernet {
  namespace "http://example.com/Ethernet";
  prefix "eth";
  import ietf-interfaces {
    prefix if;
  }
  augment "/if:interfaces/if:interface" {
    when "if:type = 'ethernetCsmacd'";
    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...
}

```

- A. Mastered
- B. Not Mastered

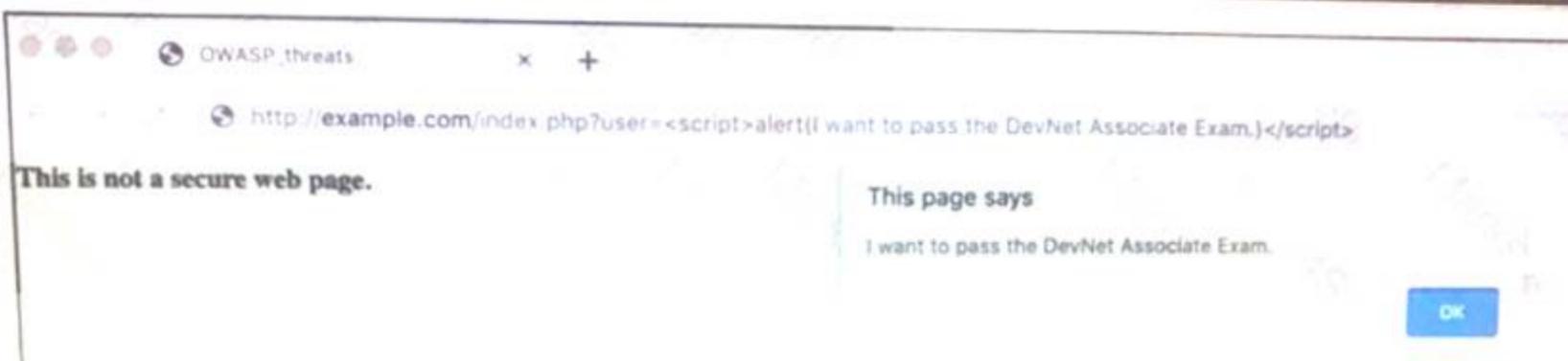
**Answer:** A

**Explanation:**

1 - D, 2 - F, 3 - A, 4 - E, 5 - B, 6 - G, 7 - C

**NEW QUESTION 77**

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 80**

Refer to the exhibit.

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

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

```
{
  "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 - A, 2 - C, 3 - B

**NEW QUESTION 83**

Which two encoding formats do YANG interfaces support?

- A. JSON
- B. XML
- C. XHTML
- D. Plain text

E. BER

**Answer:** AB

**NEW QUESTION 86**

Which platform is run directly using a hypervisor?

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

**Answer:** C

**NEW QUESTION 90**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

1 – B, 2 – D, 3 – A, 4 – C

**NEW QUESTION 94**

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 97**

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 101**

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 103**

Drag and Drop the Bash commands from the left onto the correct actions on the right.



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

**NEW QUESTION 104**

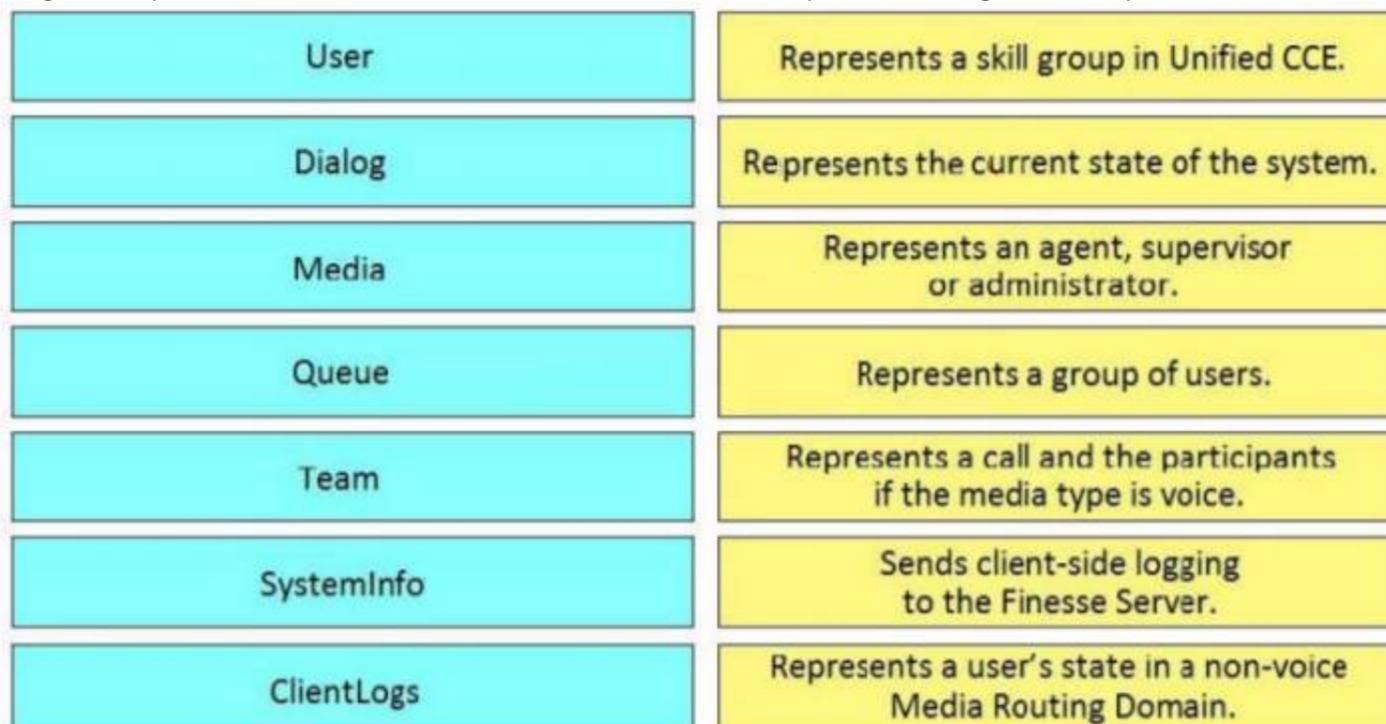
Which type of threat occur when an attacker can send hostile data to an interpreter within an application?

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

Answer: D

**NEW QUESTION 109**

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 113**

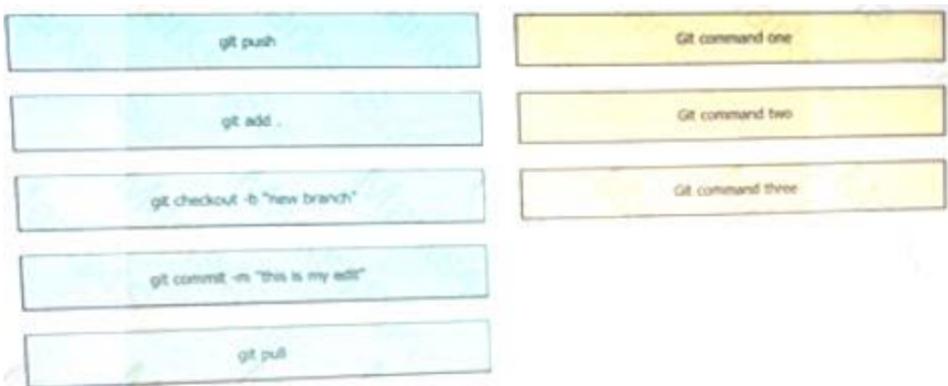
Which two elements are foundational principles of DevOps? (Choose two.)

- A. designing applications as microservices
- B. encouraging containers for the deployment of applications
- C. organizing cross-functional teams over organizational silos
- D. optimizing the cost of infrastructures
- E. automating over documenting

**Answer: CE**

**NEW QUESTION 116**

Refer to the exhibit.



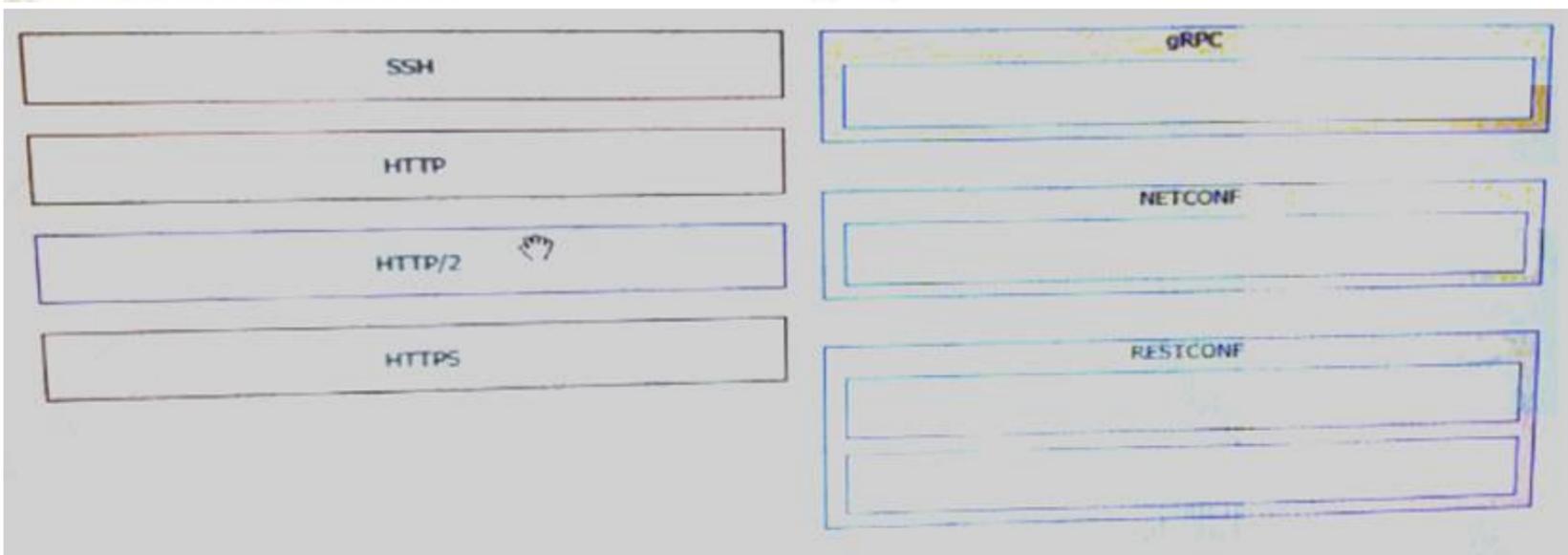
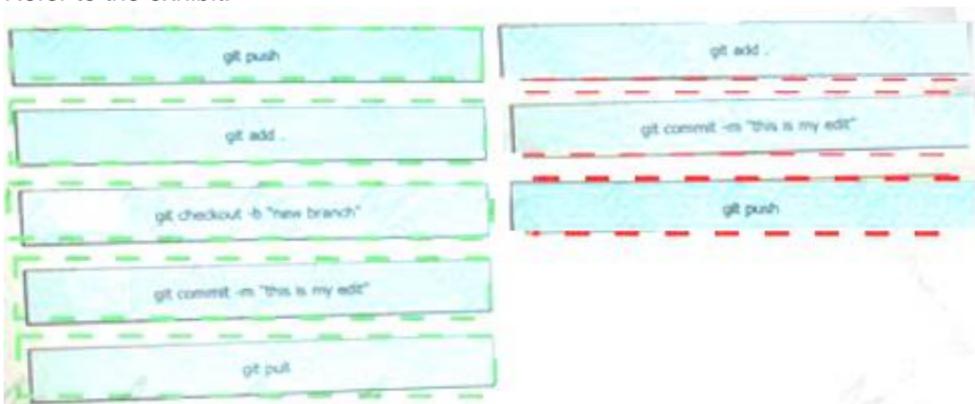
The definition of the YANG module and a RESTCONF query sent to a Cisco IOc XE device is shown. Which statement is correct if the RESTCONF interface responds with a 204 status code?

- 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.

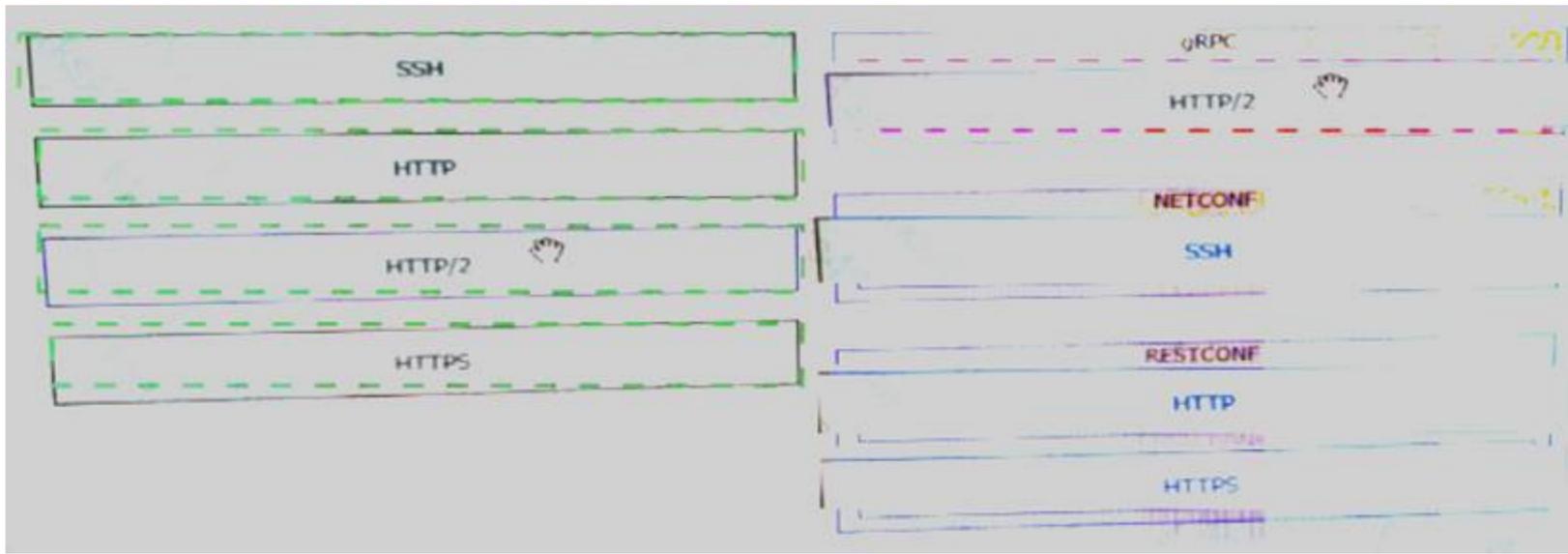
**Answer: D**

**NEW QUESTION 117**

Refer to the exhibit.



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.



- 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 120**

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