

# Cisco

## Exam Questions 200-901

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



**NEW QUESTION 1**

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 2**

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

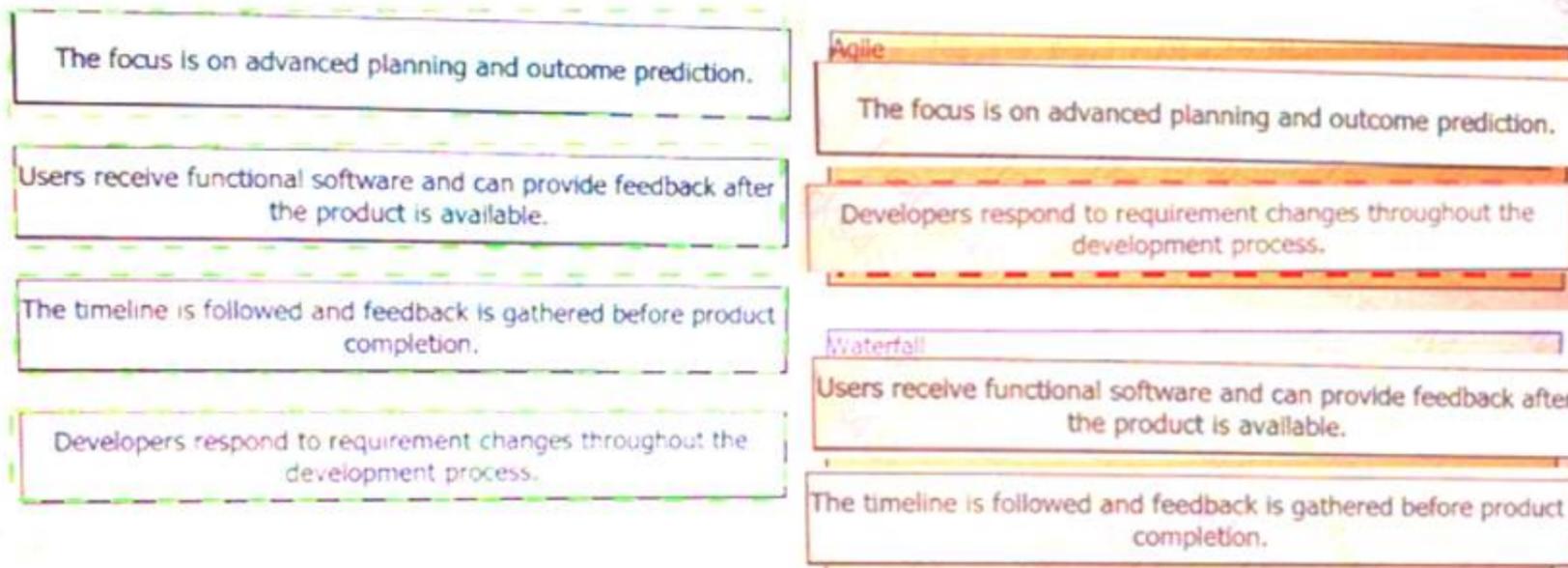
The focus is on advanced planning and outcome prediction.	Agile
Users receive functional software and can provide feedback after the product is available.	
The timeline is followed and feedback is gathered before product completion.	
Developers respond to requirement changes throughout the development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

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Solution as below



**NEW QUESTION 3**

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 4**

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 5**

Refer to the exhibit.

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

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

Which python data structure does my\_json contain?

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

Answer: D

**NEW QUESTION 6**

A function my\_func() returns True when it executes normally. Which python snippet tests my\_func()?

For CLI commands that support XML, the `clid()` method returns JSON output. An exception is thrown when XML is not used. Executes CLI commands. Takes CLI command string and returns show command output in a JSON form.

*Note: The "clid" API can be useful when searching the output of show commands using JSON tools as shown in the example.*

**PYTHON**

```
Example:
>>> import json
>>> from cli import *
>>> jversion = json.loads(clid("show
version"))
>>> jversion[bios_ver_str']
'08.06'
```

**Arguments:**

- `cmd`: Single CLI command or a batch of CLI commands. Delimiter for multiple CLI commands is a space followed by a semicolon. Configuration commands must be in a fully qualified form.

**Returns:**

- `string`: JSON-formatted output of show commands.

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

Answer: B

**NEW QUESTION 7**

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 8**

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 9**

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 tape. <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 10**

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 RESTCONF 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+json' HTTP header because it is not required.

**Answer: B**

**NEW QUESTION 10**

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 15**

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 20**

Which two encoding formats do YANG interfaces support?

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

**Answer: AB**

**NEW QUESTION 21**

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 24**

On which network plane is routing protocol traffic handled?

- A. data plane
- B. management plane
- C. authentication plane
- D. control plane

**Answer:** D

**NEW QUESTION 25**

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

- A. JSON objects are collection of key value pairs.
- 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 27**

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 32**

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 36**

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

Response Headers	Request Headers
HTTP Request	Request Payload
HTTP Response	HTTP Request
Request Payload	HTTP Response
Request Headers	Response Headers
Response Payload	Response Payload

- 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 38**

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

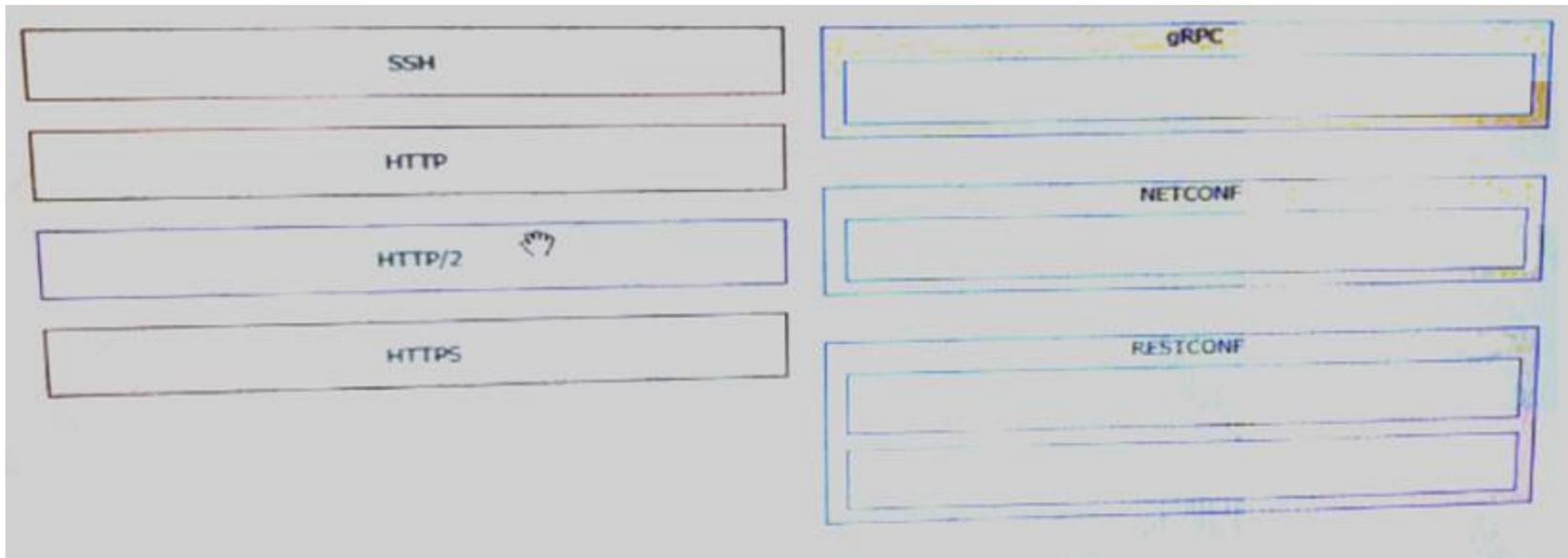
- A. designing applications as microservices
- B. encouraging containers for the deployment of applications
- C. organizing cross-functional teams over organizational silos
- D. optimizing the cost of infrastructures
- E. automating over documenting

Answer: CE

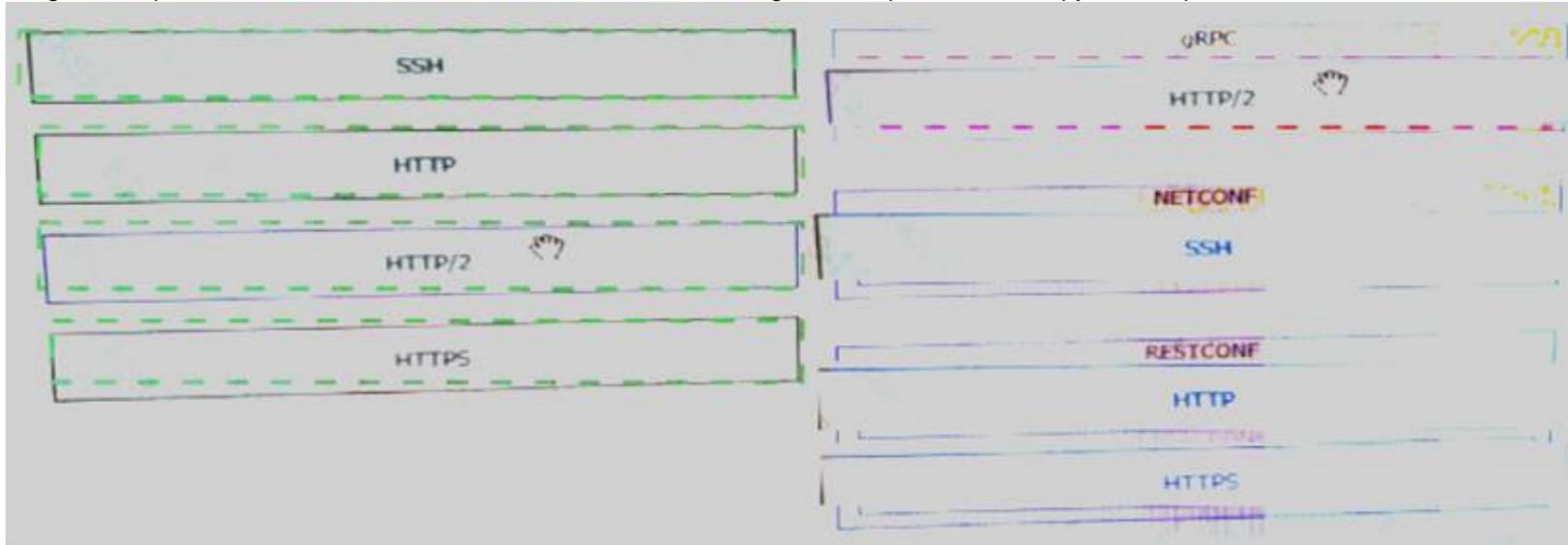
**NEW QUESTION 40**

Refer to the exhibit.

git push	git add .
git add .	git commit -m "this is my edit"
git checkout -b "new branch"	git push
git commit -m "this is my edit"	
git pull	



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 41**

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.
    
```

The output of a unified diff when comparing two versions of a python script is shown. Which two “single\_request\_timeout ()”

```
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>})
```

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

Answer: BC

**NEW QUESTION 45**

Package updates from a local server fail to download. However, the same updates work when a much slower external repository is used. Why 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 46**

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