



# 200-901<sup>Q&As</sup>

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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### QUESTION 1

An application developer deploys several applications on the same server. The environment runs on a single operating system and allows the developer to bind dependencies with the application code. Which environment has the code been developed in?

- A. bare metal server
- B. virtual machine
- C. container
- D. Linux server

Correct Answer: C

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### QUESTION 2

What is a difference between a synchronous API and an asynchronous API?

- A. An asynchronous API can make offline calls while synchronous APIs do not have this capability.
- B. Synchronous API calls are returned immediately while asynchronous calls do not guarantee an immediate response.
- C. Synchronous API calls require an authentication header to be sent while asynchronous calls do not require authentication.
- D. An asynchronous API can make a larger number of calls in a specified time period than a synchronous API.

Correct Answer: D

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### QUESTION 3

Refer to the exhibits.



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.

```
>>> 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']
```

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

A. configure interface loopback 5



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

Correct Answer: AD

Reference:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Programmability\\_Guide\\_7x/Python\\_API.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x/Python_API.html)

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#### QUESTION 4

Which description of a default gateway is true?

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

Correct Answer: D

Reference: <https://www.certificationkits.com/cisco-certification/ccna-articles/cisco-ccna-intro-to-routing-basics/cisco-ccna-default-gateway-a-default-routes/>

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#### QUESTION 5

Which task is performed because the test-driven development approach is being used?

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

Correct Answer: C

"The idea is that you build a test case first, before any software has been created or modified"

but "testing existing software before developing new code" is the idea or goal, not the task

five steps of TDD: -Write a test -Test fails -Write some code -Test passes -Refactor

Reference: <https://www.guru99.com/test-driven-development.html>

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