



# 200-901 Q&As

Developing Applications and Automating Workflows using Cisco Platforms (DEVASC)

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### QUESTION 1

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

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

Correct Answer: AC

Reference: <https://www.cisco.com/c/dam/en/us/products/collateral/cloud-systems-management/cloudcenter/white-paper-c11-737221.pdf>

### QUESTION 2

DRAG DROP

Drag and drop the Docker file instructions from the left onto the correct descriptions on the right. Not all options are used.

Select and Place:

|   |   |
|---|---|
| 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   |   |

Correct Answer:



|  |  |
|--|--|
|  | EXPOSE 1521  |
|  | RUN apt-get update && apt-get install -y --force-yes apache2 |
|  | VOLUME["/var/www", "/var/log/apache2", "/etc/apache2"]       |
| ENTRYPOINT["/usr/sbin/apache2ctl", "-D", "FOREGROUND"] | FROM ubuntu:12.04  |
|  |  |

**QUESTION 3**

DRAG DROP

Drag and drop the code from the bottom onto the box where the code is missing in the Bash script to complete the missing assignment.

Select and Place:

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

Correct Answer:



```
#!/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
```

**QUESTION 4**

How does requesting a synchronous API operation differ from requesting an asynchronous API operation?

- A. clients poll for the status of the execution of operations
- B. clients subscribe to a webhook for operation results
- C. clients can access the results immediately
- D. clients receive responses with a task id for further processing

Correct Answer: C

**QUESTION 5**

Refer to the exhibit.



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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