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QUESTION 1

Refer to the exhibit.

```
[admin@guestshell ~]$ pwd
/home/admin
[admin@guestshell ~]$
[admin@guestshell ~]$
[admin@guestshell ~]$ more deltacounter.py
#!/isan/bin/python

from cli import *
import sys, time

ifName = sys.argv[1]
delay = 2
count = 5
cmd = 'show interface ' + ifName + ' counters'

out = json.loads(clid(cmd))
rxuc = int(out['TABLE_rx_counters']['ROW_rx_counters'][0]['eth_inucast'])
rxmc = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inmcast'])
rxbc = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inbcast'])
txuc = int(out['TABLE_tx_counters']['ROW_tx_counters'][0]['eth_outucast'])
txmc = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outmcast'])
txbc = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outbcast'])
print ('row rx_ucast rx_mcast rx_bcast tx_ucast tx_mcast tx_bcast')
print ('=====')
print (' %8d %8d %8d %8d %8d %8d' % (rxuc, rxmc, rxbc, txuc, txmc, txbc))
print ('=====')

i = 0
while (i < count):
    time.sleep(delay)
    out = json.loads(clid(cmd))
    rxucNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][0]['eth_inucast'])
    rxmcNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inmcast'])
    rxbcNew = int(out['TABLE_rx_counters']['ROW_rx_counters'][1]['eth_inbcast'])
    txucNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][0]['eth_outucast'])
    txmcNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outmcast'])
    txbcNew = int(out['TABLE_tx_counters']['ROW_tx_counters'][1]['eth_outbcast'])
    i += 1
    print ('%-3d %8d %8d %8d %8d %8d %8d' % \
          (i, rxucNew - rxuc, rxmcNew - rxmc, rxbcNew - rxbc, txucNew - txuc, txmcNew - txmc,
          [admin@guestshell ~]$
```

The script is called deltacounters.py and it is currently inside a Guest Shell container running inside a Cisco NX-OS switch. Which Cisco NX-OS command results in a successful execution of this script?

- A. python /home/admin/bootflash:deltacounters.py ethernet1/1
- B. show python bootflash:deltacounters.py ethernet1/1



C. guestshell run python /home/admin/deltacounter.py ethernet1/1

D. guestshell execute python /home/admin/deltacounter.py ethernet1/1

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/guest_shell.html

QUESTION 2

Which two network protocols does Cisco NX-OS iPXE support? (Choose two.)

A. IPv6

B. SFTP

C. SSH

D. IPv4

E. UNFS

Correct Answer: AD

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/programmability/guide/b-cisco-nexus-9000-series-nx-os-programmability-guide-93x/b-cisco-nexus-9000-series-nx-os-programmability-guide93x_chapter_01001.html

QUESTION 3

Which Kubernetes container network interface provides intent-based networking from the same pane of glass that VMs and bare-metal servers are managed?

A. ACI CNI plug-in

B. Contiv CNI plug-in

C. Ingress CNI plug-in

D. Calico CNI plug-in

Correct Answer: D

Reference: <https://docs.projectcalico.org/reference/faq>

QUESTION 4

DRAG DROP

Drag and drop the items to complete the request to retrieve the current firmware of Cisco UCS devices from the Cisco



Intersight API. Not all items are used.

Select and Place:

<input type="text"/>	"https://intersight.com/api/v1
<input type="text"/>	/ <input type="text"/> "

asset	RunningFirmwares
UpgradeStatuses	POST
GET	firmware

Correct Answer:

GET	"https://intersight.com/api/v1
firmware	/ Runningfirmwares "

asset	
UpgradeStatuses	POST

Reference: <https://developer.cisco.com/codeexchange/github/repo/CiscoUcs/intersight-python/>

QUESTION 5

Refer to the exhibit.



```
# Intersight
# REST API Operations
rackunit_json_body = {
    "request_method": "GET",
    "resource_path": [
        ]
}

firmware_json_body = {
    "request_method": "POST",
    "resource_path": "https://www.intersight.com/api/v1/firmware/Upgrades",
    "request_body": {
        "DirectDownload": {},
        "NetworkShare": {
            "MagType": "www",
            "Upgradeoption": "nw_upgrade_full",
            "HttpServer": {
                "LocationLink": "http://10.1.1.10/ucs-c240m4-huu-4.0.2h.iso"
            }
        }
    },
    "UpgradeType": "network_upgrade",
    "Server": ""
}

RESPONSE = requests.request(
    method=rackunit_json_body['request_method'],
    url=rackunit_json_body['resource_path'],
    auth=AUTH
)

RESPONSE = requests.request(
    method=firmware_json_body['request_method'],
    url=firmware_json_body['resource_path'],
    data=json.dumps(firmware_json_body['request_body']),
    auth=AUTH
)
```

```
Query Results
{
  "ObjectType": "compute.RackUnit.List",
  "Results": [
    {
      "AssetTag": "DMZ-R-L2-ADJM",
      "ClassId": "compute.RackUnit",
      "DeviceMoid": "5e21ebc96f72612d30cd32f3",
      "Model": "UCSC-C240-M4SX",
      "Moid": "5e21ebc6176752d31b196c0",
      "ObjectType": "compute.RackUnit"
    }
  ]
}
```

Refer to the exhibit above and click on the resource tabs in the top left corner to view resources to help with this question. An engineer is creating a Python script to update the firmware on a specific Cisco UCS rack server that is managed by Cisco Intersight. The script uses the Cisco Intersight REST API. The value of the `resource_path` key in the `rackunitJson_body` Python dictionary retrieves the server with the `AssetTag` `DMZ-R-L2-ADJM`. The `AssetTag` is assigned to only one server. The value of the `Server` key must be set in the `firmware Json_body` Python dictionary with a value from the query result. Which two Python statements, a GET request and a dictionary update, are required to complete the code? (Choose two.)



- A.

```
"https://www.intersight.com/api/v1/" +  
"compute/RackUnits?$select=DeviceMoId,Model,AssetTag& +  
"$filter=AssetTag+contains('DMZ-R-L2-ADJM')"
```
- B.

```
"https://www.intersight.com/api/v1/" +  
"compute/RackUnits?$select=DeviceMoId,Model,AssetTag&" +  
"$filter=AssetTag eq 'DMZ-R-L2-ADJM'"
```
- C.

```
firmware_json_body['request_body']['Server'] = (  
    json.loads(RESPONSE.text)['Results'][0]['DeviceMoId']  
)
```
- D.

```
firmware_json_body['request_body']['Server'] = (  
    json.loads(RESPONSE.text)['Results'][0]['AssetTag']  
)
```
- E.

```
firmware_json_body['request_body']['Server'] = (  
    json.loads(RESPONSE.text)['Results'][0]['Moid']  
)
```

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

Correct Answer: BD

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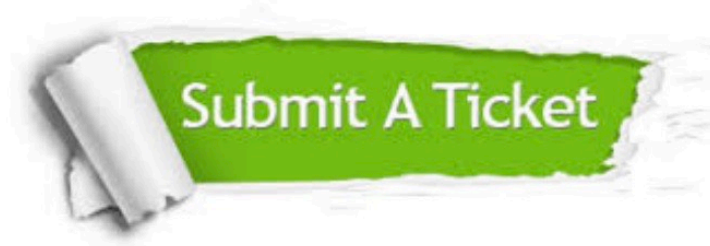
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