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Exam : **300-635**

Title : Automating Cisco Data Center Solutions (DCAUTO)

Vendor : Cisco

Version : DEMO

NO.1 Which two terms are types of application isolation options available when Kubenetes is deployed with the SCCM plugin? (Choose two)

A. VM Isolation

B. Cluster Isolation

C. Server Isolation

D. Process Isolation

E. Namespace Isolation

Answer: B E

Explanation:

Cluster Isolation (B) and Namespace Isolation (E) are Kubernetes features that allow partitioning of cluster resources and application isolation. VM Isolation (A) is not specific to Kubernetes with SCCM plugin deployment, and Process Isolation (D) is not an application isolation type in this context.

References: Cisco ACI APIC CLI Configuration

NO.2 What is the top level in the ACI Management Information Tree?

A. topRoot

B. polUni

C. fabricTopology

D. fabric Pod

Answer: B

Explanation:

The top level in the ACI Management Information Tree is polUni. This is the top-level class for all policy definition and resolution objects within the Cisco ACI Policy Model. It serves as the root for policy namespace in the Management Information Tree12.

References :=

* Cisco ACI Policy Model Guide1
* Understanding the Cisco Application Policy Infrastructure Controller2

NO.3 Which two statements about gRPC are true? (Choose two)

A. It is an IETF draft

B. It is an IETF standard

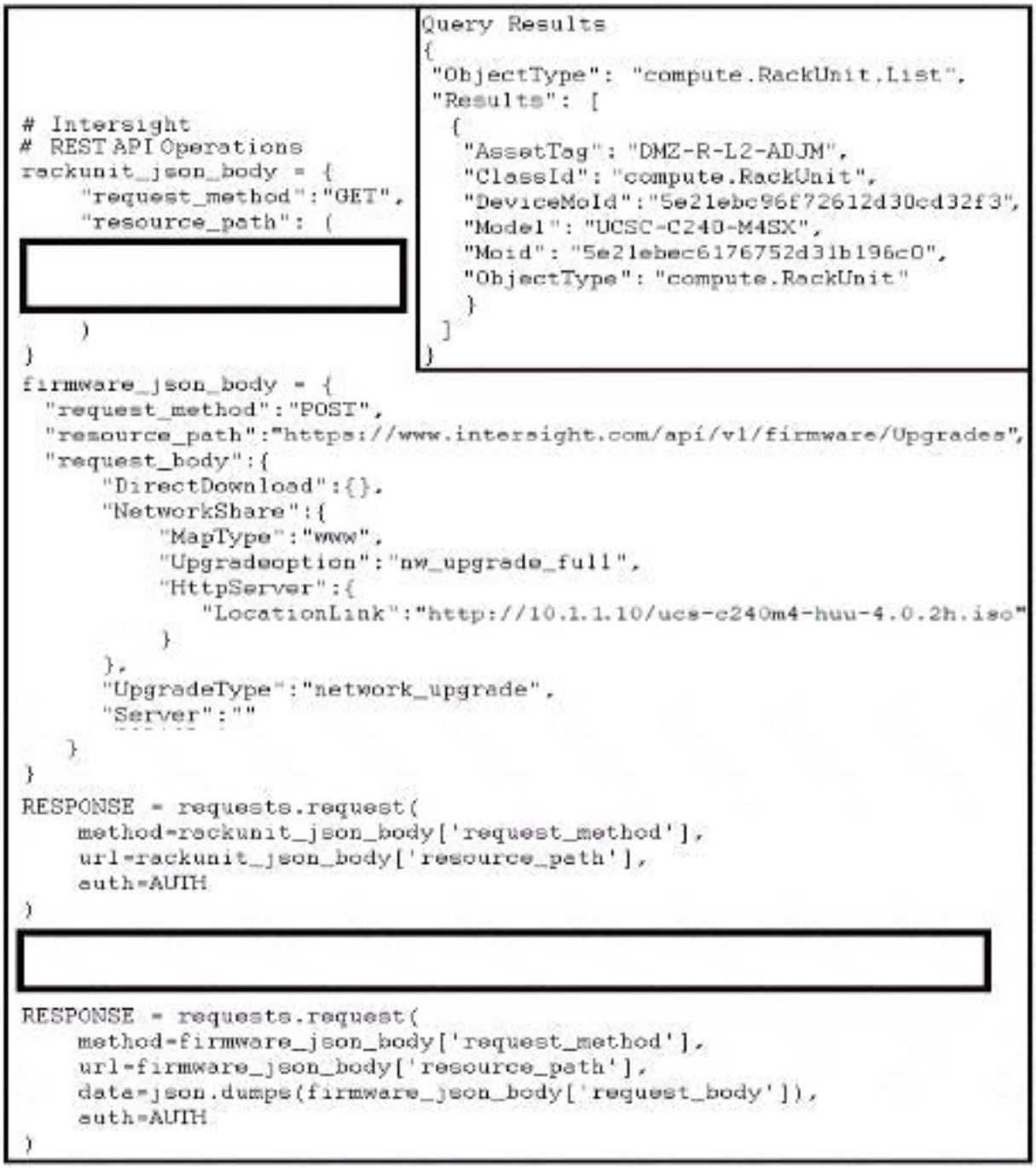
C. It runs over SSH

D. It is an open source initiative

E. It runs over HTTPS

Answer: A D

NO.4 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":{
          "MapType":"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": "5e21ebec6176752d31b196c0",
    "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 firm ware 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']
)
```

Answer: A D

Explanation:

To update the firmware on a specific Cisco UCS rack server managed by Cisco Intersight using a Python script, the script must include a GET request to retrieve the server with the specified AssetTag and then update the firmware JSON body with the server's Managed Object ID (Moid). The correct statements to complete this task would be:

* A GET request that queries the Intersight API for the server with the given AssetTag (Option A).
* An update to the firmware JSON body dictionary, setting the 'Server' key to the 'Moid' value obtained from the GET request response (Option D).

References:

* Cisco Intersight API documentation for details on API endpoints and query parameters.
* Python requests library documentation for constructing and executing HTTP requests.

NO.5 A server profile with the "WEST15" in its name must have the string "WEST15" changed to "LXT14". For example, server profile "Vmhost-west 15-01" would need to be changed to "VMHOST-LXT 14-01". Using the Cisco Intersight REST API in a Python script, which two GET API requests are

used to retrieve just the server profile with the string "WEST 15" in the name and the correct body for the API request to update the name? Assume the variable "sp_name" contains the name of the retrieved server profile. (Choose two.)

A. GET https://intersight.com/api/v1/server/Profiles?$select=Namefilter=contains (Name,'WEST15')

B. GET https://intersight.com/api/v1/server/Profiles?$select=Name&filter=Name in ('WEST15')

C. BODY = {"Name": sp_name.format('WEST15,'LXT14')}

D. GET https://intersight.com/api/v1/server/Profiles?$select=Name&$filter=startswith(Name, 'WEST15')

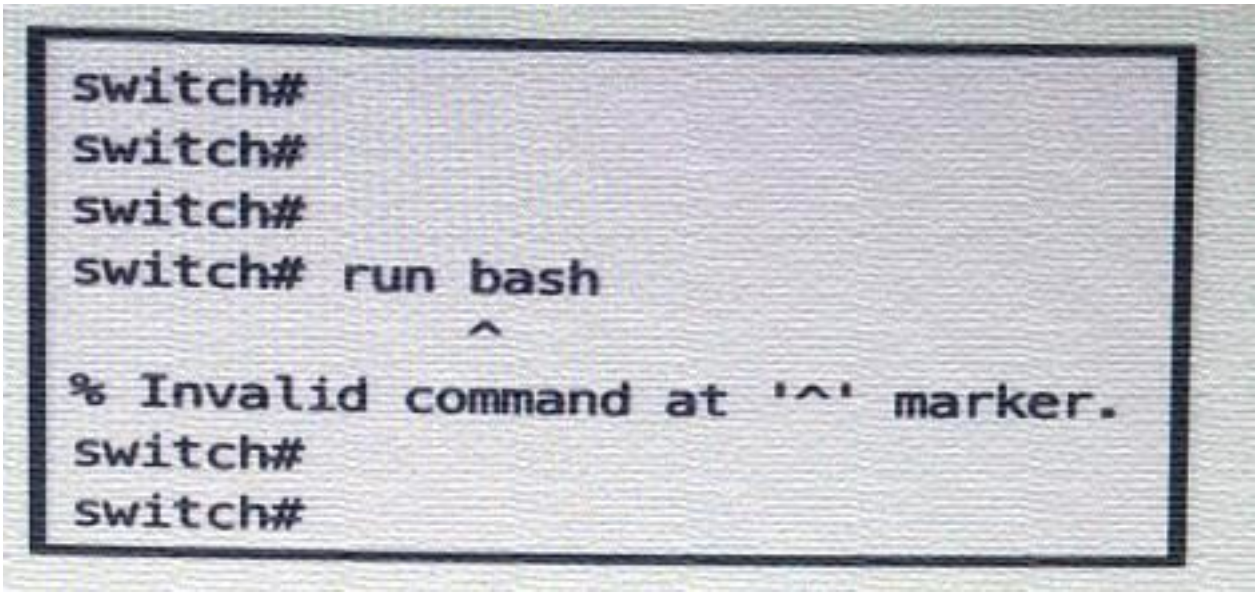
E. BODY = {" Name": sp_name.replace('WEST15','LXT14')}

Answer: D E

Explanation:

To retrieve server profiles with "WEST15" in the name, the correct GET API request is D. GET https://intersight.com/api/v1/server/Profiles?$select=Name&$filter=startswith(Name, 'WEST15'). This request filters the server profiles to only those that start with "WEST15". For updating the name, option E is correct. The BODY = {" Name": sp_name.replace('WEST15','LXT14')} uses the Python replace method to change "WEST15" to "LXT14" in the server profile name. References: Cisco Intersight API documentation and Python programming resources.

NO.6 Refer to the exhibit:



Refer to the exhibit. Which configuration change command must be run on the Cisco NX-OS device to make this command work?

A. enable bash-shell

B. bash-shell enable

C. service bash-shell

D. feature bash-shell

Answer: D

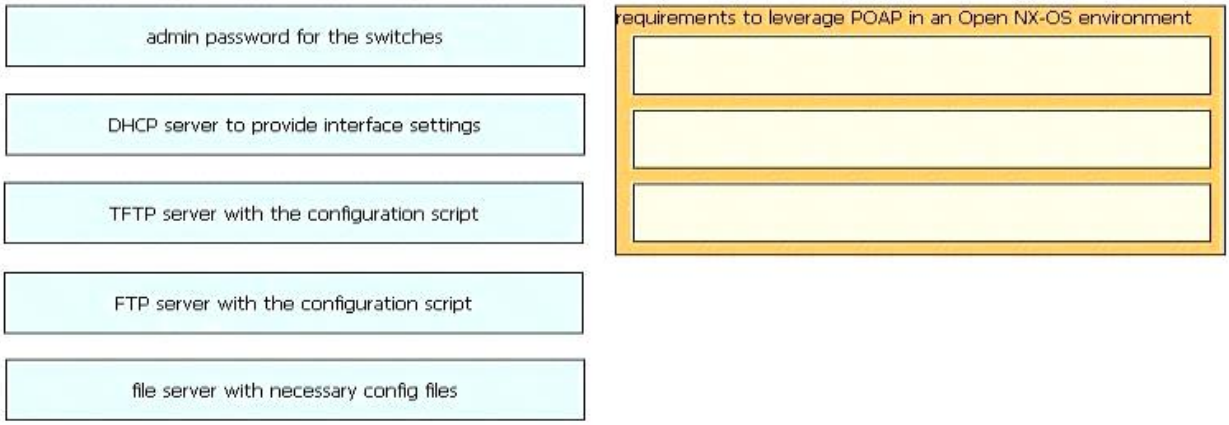
NO.7 How is an ACI class name composed?

A. Method

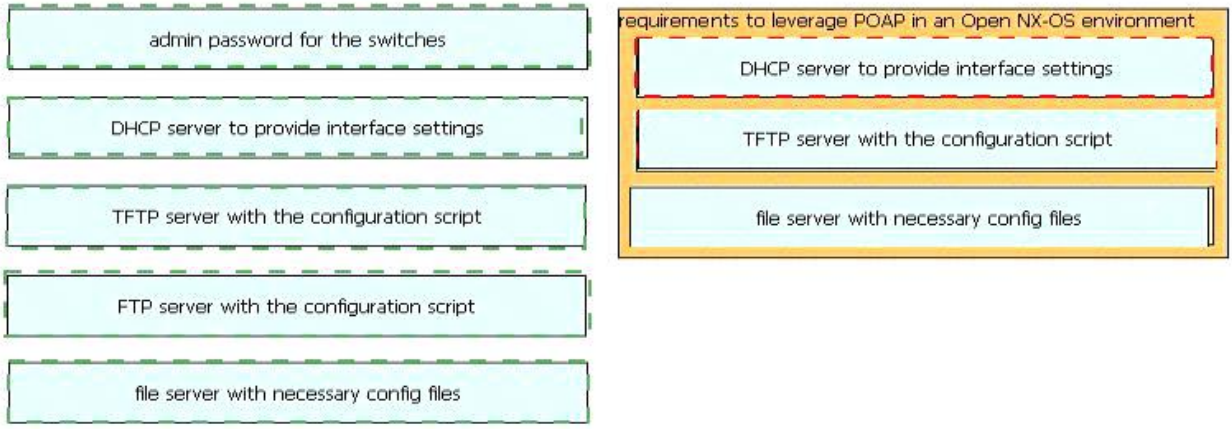
B. ClassName: Method

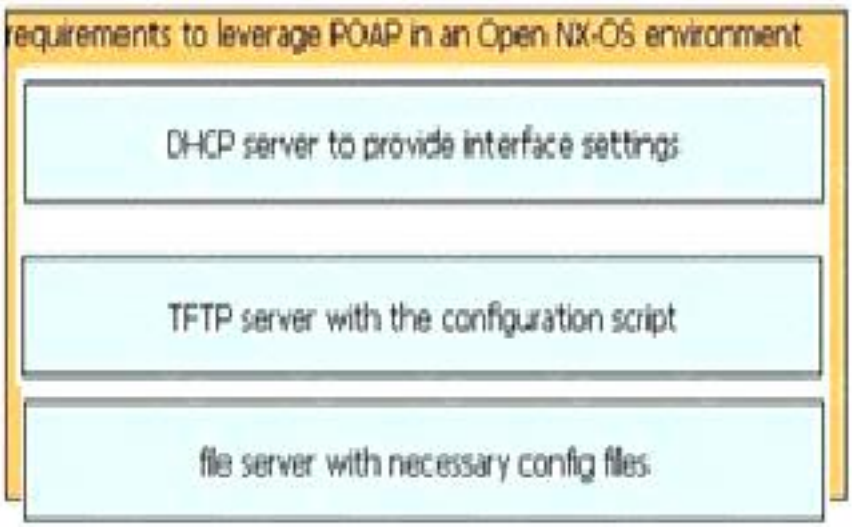
C. Package:ClassName
D. MitName: Method
Answer: C
Explanation:
In Cisco Application Centric Infrastructure (ACI), class names are composed by combining the package name with the class name, separated by a colon. This naming convention helps in organizing and referencing classes within the ACI's object model, which is essential for automation and programmability in the data center.
References := Implementing Automation for Cisco Data Center Solutions (DCAUI)

NO.8 Drag and drop the requirements from the left that are needed to leverage POAP in an Open Cisco NX-OS environment onto the right. Not all options are used.



Answer:




requirements to leverage POAP in an Open NX-OS environment
DHCP server to provide interface settings
TFTP server with the configuration script
file server with necessary config files