



Automating and Programming Cisco Enterprise Solutions (ENAUTO)

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QUESTION 1

telemetry ietf subscription 154 encoding encode-tdl filter xpath /memory-ios-xe-oper:memory-statistics/memory-statistic source-vrf Mgmt-intf stream yang-push update-policy periodic 6000

Refer to the exhibit. The configuration commands are entered in CLI config mode to configure a static telemetry subscription on a Cisco IOS XE device. The commands are accepted by the device, but the consumer receives no telemetry data. Which change must be made to ensure that the consumer receives the telemetry data?

- A. The IP address of the receiver must be set.
- B. The stream type must be set to YANG.
- C. The update policy period must be shortened.
- D. The sender IP address must be set.

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/iosxml/ios/prog/configuration/1610/b_1610_programmability_cg/model_driven_telemetry.html

QUESTION 2

DRAG DROP

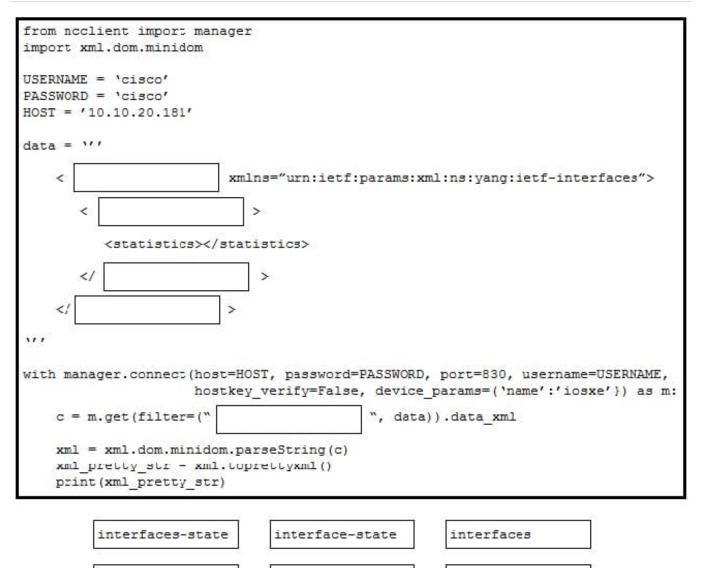


<pre>\$ pyang -f tree ietf-interface</pre>	s.yang	
module: ietf-interfaces		
+rw interfaces		
+rw interface* [name]		
+rw name	+rw name	
<pre>+rw description?</pre>	+rw description?	
+rw type		
+rw enabled?		
<pre>+ro statistics</pre>		
<pre>+ro discontinuity</pre>	+ro discontinuity-time	
<pre>+ro in-unicast-pk</pre>	+ro in-unicast-pkts?	
+ro in-broadcast-	+ro in-broadcast-pkts?	
xro interfaces-state		
xro interface* [name]		
xro name	string	
xro type	identityref	
xro admin-status	enum	eration {if-mib}?
xro oper-status	enum	eration
xro statistics		
xro discontinuity	xro discontinuity-time	
xro in-octets?		yang:counter64
xro in-unicast-pkts?		yang:counter64

Refer to the exhibit. Drag and drop the code from the bottom onto the box where the code is missing to complete the ncclient request that captures the operational data of the interfaces of a Cisco IOS XE device. Options may be used once, more than once, or not at all.

Select and Place:





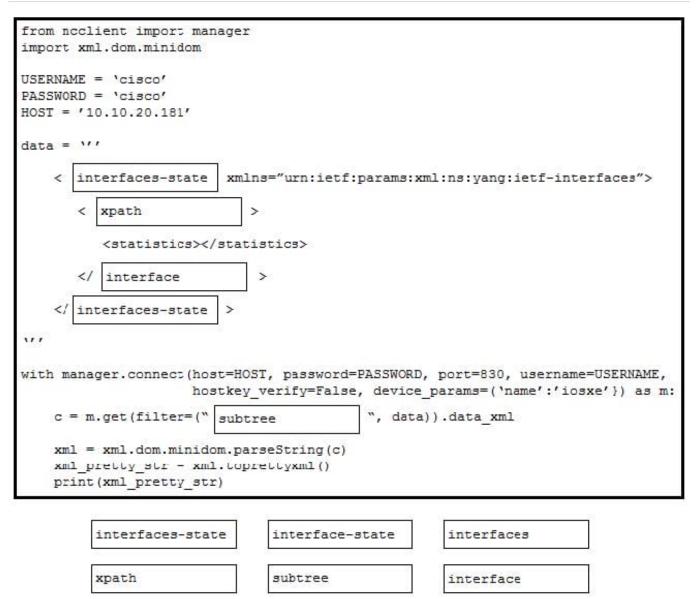
subtree

interface

Correct Answer:

xpath





QUESTION 3



from ncclient import manager

```
with manager.connect(
    host='10.0.0.1',
    port=12022,
    username='cisco',
    password='cisco',
    hostkey_verify=False,
    allow_agent=False,
    look_for_keys=False,
    device_params={ 'name': 'iosxe'},
    as m:
```

Refer to the exhibit. What is the correct ncclient method to use to collect the running configuration of a Cisco IOS XE device that uses NETCONF?

```
A. config=m.copy_config(source=\\'running\\')
```

```
B. config=m.get(source=\\'running\\')
```

```
C. config=m.collect_config(source=\\'running\\')
```

```
D. config=m.get_config(source=\\'running\\')
```

Correct Answer: A

Reference: https://ncclient.readthedocs.io/en/latest/

QUESTION 4

module: Cisco-IOS-XE-vlan-oper	
+ro vlans	
+ro vlan* [id]	
+ro id	uint16
+ro name?	string
+ro status?	vlan-iso-xe-oper:vlan-status-type
+ro ports* []	
+ro interface?	string
<pre>+ro subinterface?</pre>	uint32
+ro vlan-interfaces*	[interface]
+ro interface	string
+ro subinterface	uint32

Refer to the exhibit. Which NETCONF protocol operation is used to interact with the YANG model?

Α.



В.

C.

D.

Correct Answer: A

 $Reference: \ https://www.cisco.com/c/en/us/td/docs/routers/crs/software/crs-r6-4/programmability/configuration/guide/b-programmability-cg-crs-64x.pdf$

QUESTION 5

import requests
import sys
<pre>requests.package.urllib3.disable_warnings()</pre>
HOST = '10.1.2.3'
PORT = 9443
USER = 'user'
PASS = 'password'
<pre>def main(): url = "https://{h}:{p}/restconf/data/Cisco-IOS-XE-native:native/ hostname".format(h=HOST, p=PORT)</pre>
headers = { 'Content-Type': 'application/ ',
<pre>`Accept': `application/ `}</pre>
<pre>response = requests.get(url, auth=(USER,PASS),</pre>
print(response.text)
<pre>ifname == `main': sys.exit(main())</pre>

Refer to the exhibit. An engineer creates a Python script using RESTCONF to display hostname information. The code must be completed so that it can be tested. Which string completes the highlighted areas in the exhibit?

A. yang-data+json

B. yang +json

C. yang.data+json

D. json

Correct Answer: A



Reference: https://www.cisco.com/c/en/us/td/docs/iosxml/ios/prog/configuration/166/b_166_programmability_cg/restconf_prog_int.html

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