```
module: ietf-ip
augment /if:interfaces/if:interface:
 +--rw ipv4!
    +--rw enabled?
    +--rw forwarding? boolean
    +--rw mtu?
                      uint16
    +--rw address* [ip]
       +--rw ip
                                     inet:ipv4-address-no-zone
       +--rw (subnet)
         +--: (prefix-length)
       | | +--rw prefix-length?
                                          uint8
       | +--: {netmask)
            +--rw netmask?
                                    yang:dotted-guad (ipv4-non-contiguous-netmasks)?
      +--ro origin?
                                     ip-address-origin
    +--rw neighbor* [ip]
       +--rw ip
                                     inet:ipv4-address-no-zone
                                    yang:phys-address
       +--rw link-layer-address
```

- A. list
- B. leaf-list
- C. container
- D. submodule

## Correct Answer: A

#### **Explanation:**

Symbols after data node names: "?" means an optional node, "!" means a presence container, and "\*" denotes a list and leaf-list.

#### **QUESTION 18**

The automation engineer must replace device configuration using RESTCONF. How is this configured using the Python library Requests?

- A. delete()
- B. post()
- C. put()
- D. patch()

## **Correct Answer:** C

### **Explanation:**

https://www.cisco.com/c/en/us/td/docs/ios-

xml/ios/prog/configuration/166/b\_166\_programmability\_cg/restconf\_prog\_int.html

## **QUESTION 19**

Which two Netmiko methods are used to configure a device? (Choose two.)

- A. send config()
- B. send control from file()
- C. send config set()
- D. send command()
- E. send\_config\_from\_file()

## Correct Answer: CE

### **Explanation:**

https://pynet.twb-tech.com/blog/automation/netmiko.html

### **QUESTION 20**

Refer to the exhibit. An engineer creates an Ansible playbook to configure VRF information using a local\_vrfs variable. The code must be completed so that it can be tested. Which string completes the code?

- name: Creation vrf:	te VRFs as	defined by	local_vrfs
vrfs:	\{{ local_	vrfs }}"	
state:			
register:	addvrf		

- A. present
- B. up
- C. on
- D. active

# Correct Answer: A

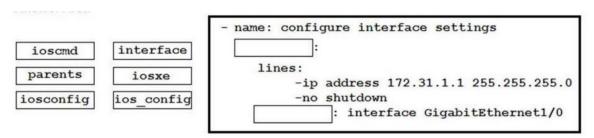
## **Explanation:**

https://docs.ansible.com/ansible/latest/modules/ios\_vrf\_module.html

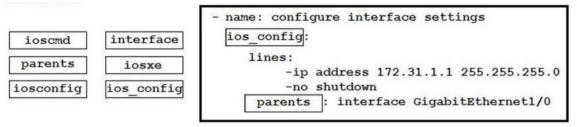
### **QUESTION 21**

DRAG DROP

Drag and drop the commands to the Ansible playbook that applies configuration to an interface on a Cisco IOS XE device. Not all options are used.



#### **Correct Answer:**



### **QUESTION 22**

Refer to the exhibit. Which XML tag completes this NETCONF telemetry subscription with a Cisco IOS XE device?

	id="101" xmlns="urn:iet	f:params:xml:ns:netconf:base:1.0">
	-	ang:ietf-event-notifications"
xmlns:yp <stream>yp</stream>	="urn:ietf:params:xml:n o:yang-push	s:yang:ietf-yang-push"> er-data/mdt-subscriptions
<yp:< th=""><th>&gt;1000</th></yp:<> <th>&gt;</th>	>1000	>
<td>n-subscription&gt;</td> <td></td>	n-subscription>	

- A. crontab
- B. cadence
- C. frequency
- D. period

Correct Answer: D Explanation:

https://www.cisco.com/c/en/us/td/docs/ios-

xml/ios/prog/configuration/1610/b 1610 programmability cg/model driven telemetry.html

### **QUESTION 23**

Which two statements are benefits of YANG-push telemetry data over traditional data collection methods? (Choose two.)

- A. The subscription requests use less bandwidth than SNMP polls.
- B. It uses UDP rather than TCP.
- C. You can precisely define data subscriptions.
- D. It scales better than SNMP.
- E. It is supported on more devices than SNMP.

Correct Answer: BC Explanation:

https://tools.ietf.org/id/draft-song-ntf-01.html

### **QUESTION 24**

Fill in the blank to complete the statement.

is a solution for automating the configuration of a device when it is first powered on, using DHCP and TFTP.

**Correct Answer:** Zero touch provisioning (ZTP)

**Explanation:** 

https://developer.cisco.com/docs/ios-xe/#!day-zero-provisioning-quick-start-guide

### **QUESTION 25**

Which tag is required when establishing a YANG-push subscription with a Cisco IOS XE device?

A. <yp:period>

B. <yp:subscription-result>

from device info import ios xel from ncclient import manager

- C. <yp:subscription-id>D. <yp:xpath-filter>

## Correct Answer: D **Explanation:**

https://www.cisco.com/c/en/us/td/docs/iosxml/ios/prog/configuration/1612/b 1612 programmability cg/model driven telemetry.html

#### **QUESTION 26**

Refer to the exhibits. An engineer creates a Python scripts using ncclient to display interface information. The code must be completed so that it can be tested. Which expression completes the highlighted section in the format call?

```
import xmltodict
netconf filter = open('filter-ietf-interfaces.xml").read()
   name == ' main ':
  with manager.connect(host=ios xe1["address"],
                      port=ios+xel["port"],
                      username=ios+xe1["username"],
                      password=ios+xe1["password"],
                      hostkey verify=False) as m:
    netconf reply = m.get(netcong filter)
    intf details = xmltodict.parse(netconf reply.xml)["rpc-reply"]["data"]
    intf config = intf details["interfaces"]["interface"]
    intf info = intf details["interfaces-state"]["interface"]
    print("")
    print("Interface Details:")
    print(" Name: {}".format(
                                         ["name"]))
    print(" Description: {}".format(intf config["description"]))
    print(" Type: {}".format(intf config["type"]["#text"]))
    print(" MAC Address: {}".format(intf info["phys-address"]))
    print(" Packet Input: {}".format(intf info["statistics"]["in-unicast-pkts"]))
    print(" Packet Output: {}".format(intf info["statistics"]["out-unicast-pkts"]))
<filter>
   <interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
     <interface>
       <name>GigabitEthernet2
     </interface>
   </interfaces>
   <interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
     <interface>
       <name>GigabitEthernet2
     </interface>
   </interfaces-state>
 </filter>
```

- A. intf info
- B. intf\_config
- C. intf get
- D. intf config[0]

# **Correct Answer:** A

**Explanation:** 

The highlighted format cell for print is for the host.

#### Reference:

https://github.com/CiscoDevNet/dnac-python-path-trace/blob/master/path\_trace.py

#### **QUESTION 27**

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

```
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:
```

- 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

## **Explanation:**

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

#### **QUESTION 28**

Fill in the blanks to complete this API request against the Cisco SD\_WAN vManage Statistics API, which specified a deviceId of 260faff9-2d31-4312-cf96-143b46db0211, a local-color of bizinternet, and a remote-color of gold.

https://vmanage-ip-ad	260faff9-2d31-4312-		
cf96-143b46db0211	biz-internet	gold	

**Correct Answer:** deviceID=, local-color, remote-color **Explanation:** 

300-435 Exam Dumps 300-435 PDF Dumps 300-435 VCE Dumps 300-435 Q&As