

Exam Questions 300-535

Automating and Programming Cisco Service Provider Solutions (SPAUTO)

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NEW QUESTION 1

Which two Python libraries are used to write a script to retrieve network device information using RESTCONF? (Choose two.)

- A. PySNMP
- B. requests
- C. ncclient
- D. YANG
- E. json

Answer: BE

NEW QUESTION 2

An automation engineer is trying to configure a destination group to use dial-out telemetry with gRPC on a Cisco IOS XR platform. The template created is failing to apply. Which parameters must be configured?

- A. source IP address, source port, encoding, and sampling interval
- B. source IP address, source port, encoding, and protocol
- C. destination IP address, destination port, encoding, and sensor path
- D. destination IP address, destination port, encoding, and protocol

Answer: D

NEW QUESTION 3

What is a key feature of YANG?

- A. use identification
- B. error prediction
- C. JAVA compatibility
- D. reusable types and groupings

Answer: D

NEW QUESTION 4

Refer to the exhibit. XTC has been configured by an engineer. What does the IPv4 address represent on the snippet?

- A. local address of the router on which it listens for PCEP
- B. configured for the local peer for state synchronization
- C. destination address of the router on which it listens for PCEP
- D. configured for the remote peer for state synchronization

Answer: A

NEW QUESTION 5

What is a benefit of Ansible for automating IOS XE or IOS XR platforms?

- A. Playbooks can be written in XML format.
- B. It has agent support
- C. It supports asynchronous orchestration.
- D. It offers native orchestration support for Cisco platforms.

Answer: D

NEW QUESTION 6

When using Cisco YDK, which syntax configures the BGP ASN using OpenConfig BGP?

- A. `bgp.config.as_ = 65000`
- B. `bgp.global_.config.as = 65000`
- C. `bgp.global.config.as_ = 65000`
- D. `bgp.global_.config.as_ = 65000`

Answer: D

NEW QUESTION 7

An engineer wants to replace the BLOCK_BAD ACL on the Cisco IOS XE router with this new content. The engineer wants to use RESTCONF for this and constructs a PUT request to the resource `restconf/data/native/ip/access-list/Cisco-IOS-XE-acl:extended=BLOCK_BAD`. What must the body look like to achieve the Cisco IOS XE configuration?

Desired configuration:

```
ip access-list extended BLOCK_BAD permit ip any host 192.168.20.1 deny ip any any
```

C.

D.

Answer: D

NEW QUESTION 8

Refer to the exhibit. What must be added after the last line of the Ansible playbook to check if the output contains "IOS-XR"?

- A. wait_for: result[1] contains "IOS-XR"
- B. wait_for: result[0] contains IOS-XR
- C. notify: "IOS-XR"
- D. wait_for_connection:

Answer: B

NEW QUESTION 9

After a configuration request is sent using NETCONF, which call releases any locks and resources associated with the session?

- A. <exit-operation>
- B. <close-activity>
- C. <close-session>
- D. <boot-app>

Answer: C

NEW QUESTION 10

Refer to the exhibit. Which XML output is a valid instantiation of the YANG model?

Answer: A

NEW QUESTION 10

The Netmiko BaseConnection class contains a method called "send_config_set()". Which two actions does this method perform on the device? (Choose two.)

- A. It takes a filename parameter that executes commands contained in that file on the device.
- B. It requires the user to explicitly send configure terminal and exit commands to the device to enter and exit configuration mode.
- C. It automatically enters and exits configuration mode on the device.
- D. It takes a Python iterable, such as a list of commands, and executes them in order on the device.
- E. It saves the running configuration to the startup configuration after executing the configuration commands on the device.

Answer: CD

NEW QUESTION 12

Refer to the exhibit. An engineer updated the skeleton template. How can a device be entered into the YANG Model?

- A. Modify the device instance of the device by referencing the acl_lab variable from our YANG model.
- B. Deploy a service instance that configures a VLAN of all of the devices present in Cisco NSO.
- C. Deploy a service instance that configures a VLAN of a list of devices referenced to the service YANG model.
- D. Modify the device instance by referencing the device variable from our YANG model.

Answer: D

NEW QUESTION 16

Refer to the exhibit. A Python script is created to add a new device on Cisco NSO using RESTCONF API. The device is added successfully, but a 405 Method Not Allowed RESTCONF error code has received as the line to fetch SSH keys runs. Which code is missing to complete the script?

- A. response = requests.put(baseUrlOperation + "/devices/device=ios-device/ssh/fetch-host-keys", auth=auth, headers=headers)
- B. response = requests.post(baseUrlOperation + "/devices/device=ios-device/ssh/fetch-host-keys", auth=auth, headers=headers)
- C. response = requests.post(baseUrlOperation + "/devices/device=ios-device/ssh/request-host-keys", auth=auth, headers=headers)
- D. response = requests.put(baseUrlOperation + "/devices/device=ios-device/ssh/request-host-keys", auth=auth, headers=headers)

Answer: C

NEW QUESTION 21

An engineer needs to configure network devices in an automated way. Which two ways are used to create structured data using YANG to provide REST-like APIs to enable programmability access? (Choose two.)

- A. YAML
- B. JSON
- C. GPB
- D. JSON-RPC
- E. XML

Answer: BE

NEW QUESTION 26

Which two data formats are human readable? (Choose two.)

- A. YAML
- B. Apache Arrow

- C. gRPC
- D. binary
- E. JSON

Answer: AE

NEW QUESTION 28

What are two fundamental design constraints of a RESTful API? (Choose two.)

- A. It includes a series of interactions to the API that are dependent on one another.
- B. It is dependent on the communication protocol being HTTP.
- C. It exposes procedures or functions for a client call.
- D. Each interaction is independent from all others on the server side.
- E. It is a client-server communication model where the client and the server are independent of one another.

Answer: DE

NEW QUESTION 31

Which two operations must be used to allow a network engineer to use NETCONF to configure and manage networking devices? (Choose two.)

- A. <get-config>
- B. <open-session>
- C. <close-session>
- D. <remove-config>
- E. <put>

Answer: AC

NEW QUESTION 33

FILL BLANK

Fill in the blank to complete the statement about NETCONF and Python libraries.

_____ is a Python library that facilitates client-side scripting and deploying changes to the network using the NETCONF protocol.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Ncclient

NEW QUESTION 37

Refer to the exhibit. Which HTTP authentication mechanism is being used?

- A. simple
- B. basic
- C. OAuth
- D. token

Answer: B

NEW QUESTION 42

Refer to the exhibit. The ncclient Python script is captured from the ncclient import manager. Which configuration on the Cisco IOS XE device is the script used to enable?

- A. router ospf 100 router-id 1.1.1.1 network 10.1.1.0 0.0.0.3 area 0
- B. router ospf 100 network 10.1.1.0 0.0.0.3 area 0
- C. router ospf 100 router-id 10.1.1.0 network 1.1.1.1 0.0.0.3 area 0
- D. router ospf 100 router-id 1.1.1.1

Answer: A

NEW QUESTION 47

An engineer just completed the installation of Cisco NSO and all of its components. During testing, some of the services are not working properly. To resolve the issue, the engineer started undeploying service instances. What can this cause?

- A. It removes the service configuration from the network device only.
- B. It removes the service configuration from the network and NSO.
- C. It removes the service configuration from NSO only.
- D. It runs the service code again when the device is out of sync.

Answer: B

NEW QUESTION 49

Refer to the exhibit. Which two configuration leaves in this YANG model are optional? (Choose two.)

- A. last-change
- B. oper-status
- C. type
- D. enabled
- E. mtu

Answer: AE

NEW QUESTION 51

Which is a format used for the YANG JSON content-type header?

- A. application/vnd.yang.data+json
- B. application/vnd.yang.data+json
- C. application/yang.data.json
- D. application/vnd.yang.data json

Answer: B

NEW QUESTION 56

Refer to the exhibit. What are the two outcomes when the RESTCONF POST code is implemented? (Choose two.)

- A. A new VPN endpoint to a VPN is added.
- B. An L3VPN endpoint to a VPN is replaced.
- C. An L3VPN endpoint to a VPN is merged.
- D. A new L3VPN endpoint to a VPN is added.
- E. An L3VPN endpoint to a VPN is updated.

Answer: DE

NEW QUESTION 57

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