

300-535 Dumps

Automating and Programming Cisco Service Provider Solutions (SPAUTO)

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NEW QUESTION 1

What tool is used to perform a “what if” failure analysis in a service provider network that is running Segment Routing?

- A. Cisco WAN Automation Engine
- B. Cisco Evolved Programmable Network Manager
- C. Cisco Network Services Orchestrator
- D. Cisco Segment Routing Path Computation Element

Answer: A

NEW QUESTION 2

Which schema allows device configuration elements to be enclosed within a remote procedure call message when NETCONF is implemented?

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

Answer: B

NEW QUESTION 3

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 4

```
<?xml version= "1.0" encoding= "UTF-8" ?>
<employees>
  <employee>
    <id>1</id>
    <firstName>Jane</firstName>
    <firstName>Doe</lastName>
  </employee>
  <employee>
    <id>2</id>
    <firstName>Tim</firstName>
    <lastName>Public</lastName>
  </employee>
  <employee>
    <id>3</id>
    <firstName>John</firstName>
    <lastName>Doe</latName>
  </employee>
</employees>
```

Refer to the exhibit. Using the provided XML snippet, which Xpath expression prints “Jane”?

- A. //employee[1]/firstName/value()
- B. //employee[0]/firstName/value()
- C. //employee[1]/firstName/text()
- D. //employee[0]/firstName/text()

Answer: D

NEW QUESTION 5

How does using the Python with statement in conjunction with ncclient manager improve an existing NETCONF automation script?

- A. It allows the NETCONF connection to the device to be gracefully closed without having to explicitly code this action.
- B. It manages the running configuration of the device by comparing it to the new configuration applied using NETCONF.
- C. The with statement tries to connect to the device using TCP port 830 first but also tries to connect via TCP port 22.
- D. Use of the with statement catches any exceptions when trying to connect to a device using NETCONF.

Answer: D

NEW QUESTION 6

```
#!/usr/bin/env python

import json
import requests

NE = {
    "device": {
        "name": "ios-device",
        "address": "192.168.0.1",
        "port": 22,
        "state": {
            "admin-state": "unlocked"
        },
        "authgroup": "default",
        "device-type": {
            "cli": {
                "ned-id": "tailf-ned-cisco-ios-id:cisco-ios"
            }
        }
    }
}

def main():
    baseUri = "http://localhost:8080/restconf/data"
    auth = ("john", "suoer123")
    headers = {"Content-Type": "application/yang-data+json"}
    response = requests.put(baseUri + "/devices/device=ios-device", auth=auth, headers=headers,
                           data=json.dumps(NE))
    print(response)

    baseUriOperation = "http://localhost:8080/restconf/operations"
    response = requests.post(baseUriOperation + "/devices/device=ios3/sync-from", auth=auth, headers=headers)
    print(response)

if __name__ == "__main__":
    main()
```

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

Answer: C

NEW QUESTION 7

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 8

Refer to the exhibit. When YDK is used to interact with Cisco routers, what is the purpose of passing `intf_f` into the `crud_service.read()` method?

- A. The `Interfaces()` class acts as a NETCONF filter, which limits the data returned to that of the `openconfig:interfaces` YANG model.
- B. It provides the data types of the `openconfig:interfaces` model to the router for dynamic configuration of the interfaces.
- C. It locks the interfaces from modification by other active NETCONF sessions.
- D. It passes default values into the `crud_service`, which reconfigures all interfaces to their default configurations.

Answer: D

NEW QUESTION 9

Which Git command is needed to stage the file `network-deploy.py` to then commit the changes to the revision history?

- A. `git init network-deploy.py`
- B. `git add network-deploy.py`
- C. `git merge network-deploy.py`
- D. `git commit network-deploy.py`

Answer: B

NEW QUESTION 10

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 10

```
module: openconfig-interfaces
  +- -rw interfaces
  +- -rw interface* [name]
  +- -rw name                -> . ./config/name
  +- -rw config
  |   +- -rw type             identityref
  |   +- -rw mtu?             uint16
  |   +- -rw name?            string
  |   +- -rw description?     string
  |   +- -rw enabled?         boolean
  +- -ro state
  |   +- -ro type             identityref
  |   +- -ro mtu?             uint16
  |   +- -ro name?            string
  |   +- -ro description?     string
  |   +- -ro enabled?         boolean
  |   +- -ro ifindex?         uint32
  |   +- -ro admin-status     enumeration
  |   +- -ro oper-status      enumeration
  |   +- -ro last change?     yang:timeticks
  |   +- -ro counters
  |       +- -ro in-octets?     yang:counter64
  |       +- -ro in-unicast-pkts? yang:counter64
  |       +- -ro in-broadcast-pkts? yang:counter64
```

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 11

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