Exam Questions 300-535

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

Refer to the exhibit. An engineer implements an automation with Cisco XTC. Which problem results in the 404 Not Found error code on the REST call?

A. The resource that you are trying to delete does not exist.
B. Port 8080 is not enabled on XTC.
C. XTC does not offer any APIs.
D. You must change the request method.

Answer: B

NEW QUESTION 3
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 4
Which two use cases are valid for Cisco WAN Automation Engine? (Choose two.)

A. deployment of SR policies
B. integration with Cisco XTC
C. what-if analysis
D. device manager
E. network controller

Answer: AB

NEW QUESTION 5
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 6
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 7
A Cisco NSO service has just been deployed. Which Cisco NSO CLI command is used to inspect the resulting device configuration changes before the changes are pushed to the network?

A. show service impact
B. commit dry-run outformat native
C. pseudo-commit
D. show dry-run output

Answer: B

NEW QUESTION 8
An engineer is deploying a Python script to manage network devices through SSH. Which library based on Paramiko is used?

A. sshmiko
B. paramiko.agent
C. libssh2
D. netmiko

Answer: D

NEW QUESTION 9

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 10

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 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
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 16
Refer to the exhibit. Which command prints out (44, 22) when this code is run on Python 3?

A. print(swap1(d, b))
B. print(swap2(a, b))
C. print(swap1(b, d))
D. print(swap2(22, 44))

Answer: C

NEW QUESTION 21

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 22
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
A user is debugging a problem with model-driven dial-in/out streams with gRPC for a Cisco IOS XR implementation. There is no streaming data and the path is not resolved when the show telemetry model-driven subscription command is issued on the router. What is the cause of the problem?

A. The emsd process is not running.
B. There are polling interval problems.
C. SNMP is not enabled.
D. There is no support for IOS XR 64-bit.

Answer: A

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 35
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 36
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 40
Which NETCONF datastore is locked while the network device configuration is edited?

A. running
B. common
C. startup
D. working

Answer: A

NEW QUESTION 44
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 45

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

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

Answer: B

NEW QUESTION 49
Which statement describes an asynchronous API communication?

A. Asynchronous communication waits for a response.
B. Synchronous communication is with a central orchestrator.
C. It is not necessary to wait for availability of a resource.
D. An application can freeze if there is no response from a request.

Answer: C

NEW QUESTION 51

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 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 59
What are two advantages of using Python virtual environments? (Choose two.)

A. They allow for multiple Python projects to use different versions of the same dependency without conflict.
B. They allow multiple Python applications to share virtual memory between subprocesses.
C. They allow for isolated environments where each can use a different version of Python.
D. They allow for all Python projects to utilize the same set of shared dependencies.
E. They allow for multiple virtual machines to share a single Python environment.

Answer: AC

NEW QUESTION 61
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