

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

Refer to the exhibit. What is the result of the Ansible task?

- A. It configures a Cisco IOS XR router with BGP AS65000 with two neighbors and redistributes OSPF into BGP.
- B. It validates the BGP configuration on a Cisco IOS XR router, but it is a read-only module and cannot modify the configuration on the router.
- C. It validates the BGP configuration on a Cisco IOS XE router, but it is a check mode-only network module and cannot modify the configuration on the router.
- D. It configures a Cisco IOS router with BGP on AS500 and redistributes OSPF into BGP.

Answer: A

NEW QUESTION 3

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 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

An engineer must change from using NETCONF for streaming telemetry to telemetry data using gRPC framework because NETCONF uses XML for message and payload encoding. Which two messages and payload encodings does gNMI use? (Choose two.)

- A. gNMI notifications with XML
- B. protobuf notifications with XML
- C. protobuf payload
- D. JSON payload
- E. gNMI notifications with JSON

Answer: CE

NEW QUESTION 6

Which two commands generate a template using Cisco NSO to build a service package? (Choose two.)

- A. show running-config devices device ce-ios config ios:interface Loopback 0 | display template.xml
- B. show running-config devices device ce-ios config ios:interface Loopback 0 | display xml | save template.xml
- C. request running-config devices device ce-ios config ios:interface Loopback 0 | display xml
- D. show running-config devices device ce-ios config ios:interface Loopback 0
- E. show running-config devices device ce-ios config ios:interface Loopback 0 | display xml

Answer: AC

NEW QUESTION 7

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 8

Refer to the exhibit. What is the cause of the status of the interface subscription?

- A. The router cannot establish a gRPC connection with the collector.
- B. The sensor-group "Interface-Counters" does not contain a valid YANG path.
- C. The router is waiting for a collector to dial in.
- D. This is the expected state of an active subscription.

Answer: B

NEW QUESTION 9

Refer to the exhibit. An automation engineer has created a RESTCONF POST to configure network devices. Which two tasks are accomplished when the code is executed? (Choose two.)

- A. If the specified configuration is already in the running configuration, the command is replaced by this request.
- B. If the specified configuration is already in the running configuration, the command is not replaced by this request.
- C. If the specified configuration is already executed in the running configuration, the command is merged with this request.
- D. If the specified configuration is already in the running configuration, the command updates this request.
- E. If the specified configuration is not on the device, the POST request creates it.

Answer: DE

NEW QUESTION 10

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. 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 12

Refer to the exhibit. Which two URI entries are optional and functional in this RESTCONF URI structure? (Choose two.)

- A. fragment
- B. query
- C. operation
- D. api-entry
- E. path

Answer: BE

NEW QUESTION 17

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 20

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 24

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

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 33

Refer to the exhibit. Based on the YANG presented, what is the correct xpath to retrieve the router named “ios-device” under the “CustomerA” service name?

- A. /ncs:abc_service/CustomerA/ios-device
- B. /abc_service/CustomerA/“ios-device”
- C. /ncs:service/abc_service/“CustomerA”/ios-device
- D. /ncs:services/abc_service/CustomerA/ios-device

Answer: D

NEW QUESTION 38

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 40

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 45

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

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

Answer: A

NEW QUESTION 50

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 51

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

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

Answer: B

NEW QUESTION 56

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 60

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 63

What is an interior YANG data node that exists in at most one instance in the data tree and has no value?

- A. listing node
- B. tree node
- C. container node
- D. leaf node

Answer: C

NEW QUESTION 67

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 71

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 73

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 74

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