

300-535 Dumps

Automating and Programming Cisco Service Provider Solutions (SPAUTO)

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NEW QUESTION 1

```
curl --request DELETE --url http://10.1.1.1:8080/srpolicy-install --header 'cache-control: no-cache' --
header 'content-type: application/json'
--data '{"source": "1.1.1.2", "end-point": "2001:4860::1:1:1:1", "color": 99, "route-distinguisher": 2}'
<!DOCTYPE html>
<html>
<head>
<title>404 Not Found</title>
</head>
<body>
<h1>Not Found</h1>
<hr>
<address> Server at localhost:8080 </address>
</body>
</html>
```

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 2

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 3

Which command configures the remote peer when the Cisco IOS XR Traffic Controller is used?

- A. peer-sync ipv4 192.168.0.3
- B. state ipv4 192.168.0.3
- C. peer ipv4 192.168.0.3
- D. state-sync ipv4 192.168.0.3

Answer: D

NEW QUESTION 4

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 5

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 6

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 7

```
RP/0/RP0/CPU0:XR_CORE666#conf t
Fri May 19 10:45:31.136 UTC
RP/0/RP0/CPU0:XR_CORE666(config)#pce
RP/0/RP0/CPU0:XR_CORE666(config-pce)#address ipv4 10.10.0.15
RP/0/RP0/CPU0:XR_CORE666(config-pce)#commit
```

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 8

```
from ydk.services import CRUDService
from ydk.providers import NetconfServiceProvider
from ydk.models.cisco_ios_xr import Cisco_IOS_XR_shellutil_oper \
    as xr_shellutil_oper
from datetime import timedelta

if __name__ == "__main__":
    """Main execution path"""
    provider = NetconfServiceProvider(address="10.0.0.1",
                                     port=830,
                                     username = "admin",
                                     password = "admin",
                                     protocol = "ssh")

    crud = CRUDService()
    system_time = xr_shellutil_oper.SystemTime()
    system_time = crud.read(provider, system_time)
    print("System uptime is" +
          str(timedelta(seconds=system_time.uptime.uptime)))
    exit()
```

Refer to the exhibit. Regarding the Python script using YDK, what is the result for a device that is running Cisco IOS XR Software?

- A. retrieves the system time
- B. configures the system time
- C. prints the uptime of the CRUDService
- D. prints the system uptime

Answer: D

NEW QUESTION 9

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 10

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

A.

```
{
  "ip": {
    "access-list": {
      "Cisco-IOS-XE-acl:extended": {
        "name": "BLOCK_BAD",
        "access-list-seq-rule": [
          {
            "sequence": "10",
            "ace-rule": {
              "action": "permit",
              "protocol": "ip",
              "any": [
                null
              ],
            },
            "dst-host": "192.168.20.1"
          },
          {
            "sequence": "20",
            "ace-rule": {
              "action": "deny",
              "protocol": "ip",
              "any": [
                null
              ],
            },
            "dst-any": [
              null
            ]
          }
        ]
      }
    }
  }
}
```

B.

```
{
  "name": "BLOCK_BAD",
  "access-list-seq-rule": [
    {
      "sequence": "10",
      "ace-rule": {
        "action": "permit",
        "protocol": "ip",
        "any": [
          null
        ],
        "dst-host": "192.168.20.1"
      }
    },
    {
      "sequence": "20",
      "ace-rule": {
        "action": "deny",
        "protocol": "ip",
        "any": [
          null
        ],
        "dst-any": [
          null
        ]
      }
    }
  ]
}
```

C.


```
{
  "Cisco-IOS-XE-acl:extended": {
    "name": "BLOCK_BAD",
    "access-list-seq-rule": [
      {
        "sequence": "10",
        "ace-rule": {
          "action": "permit",
          "protocol": "ip",
          "any": [
            null
          ],
          "dst-host": "192.168.20.1"
        }
      },
      {
        "sequence": "20",
        "ace-rule": {
          "action": "deny",
          "protocol": "ip",
          "any": [
            null
          ],
          "dst-any": [
            null
          ]
        }
      }
    ]
  }
}
```

D.

```
{
  "Cisco-IOS-XE-acl:extended": {
    (
      "name": "BLOCK_BAD",
      "access-list-seq-rule": [
        {
          "sequence": "10",
          "ace-rule": {
            "action": "permit",
            "protocol": "ip",
            "any": [
              null
            ],
            "dst-host": "192.168.20.1"
          }
        },
        {
          "sequence": "20",
          "ace-rule": {
            "action": "deny",
            "protocol": "ip",
            "any": [
              null
            ],
            "dst-any": [
              null
            ]
          }
        }
      ]
    )
  }
}
```

Answer: D

NEW QUESTION 10

```
"request": {  
  "url": "http://{{server}}:{{port}}/restconf/data/l3vpn:vpn/l3vpn=test",  
  "method": "POST",  
<snip>
```

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 12

What are two benefits of using Cisco NSO? (Choose two.)

- A. It abstracts the device adapter and complex device logic from the service logic.
- B. It uses load balancing services for better traffic distribution.
- C. It easily integrates into northbound systems and APIs.
- D. It can replace the CI/CD pipeline tools.
- E. It automatically discovers all deployed services.

Answer: AC

NEW QUESTION 13

```
<edit-config xmlns= "urn:ietf:params:xml:ns:netconf:base:1.0">  
  <target>  
    <candidate/>  
  </target>  
<config>  
  <host-names xmlns= "http://cisco.com/ns/yang/Cisco-IOS-XR-shellutil-cfg">  
    <host-name>IOS-XR-SJC-19</host-name>  
  </host-names>  
</config>  
</edit-config>
```

Refer to the exhibit. After this operation, what else is needed to change the hostname of the router to IOS-XR-SJC-19?

- A. <confirm>
- B. <close-session>
- C. <get-config>
- D. <commit>

Answer: D

NEW QUESTION 16

Which data format should be used to serialize structured data in the most compact way?

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

Answer: B

NEW QUESTION 18

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

- A. YAML
- B. Apache Arrow
- C. gRPC
- D. binary
- E. JSON

Answer: AE

NEW QUESTION 23

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 25

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 29

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 31

You create a simple service package skeleton in Cisco NSO using ncs-make-package –service-skeleton template vlan. Which two steps must be performed to complete the service? (Choose two.)

- A. Create the VLAN service template in XML.
- B. Modify the VLAN FastMap algorithm.
- C. Start the VLAN Python VM.
- D. Create the VLAN service model in YANG.
- E. Compile the VLAN NED.

Answer: DE

NEW QUESTION 32

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 36

```
curl -u john:password http://192.168.10.20
```

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

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

Answer: B

NEW QUESTION 39

Which statement describes the Cisco ESC core engine component?

- A. It interacts with the top orchestration layer using the REST and NETCONF/YANG NB APIs.
- B. It can be configured for high availability and cluster mode.
- C. It performs monitoring based on several monitoring methods.
- D. It manages transactions, validations, policies, workflows, VM state machines, and rollbacks.

Answer: D

NEW QUESTION 40

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 44

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 46

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 48

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 49

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