Cisco

Exam Questions 300-535

Automating and Programming Cisco Service Provider Solutions (SPAUTO)

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

```
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 3
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 4
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 5

```
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 6

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

A.

```json
{
    "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.

```json
{
    "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 9

```xml
<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 10

```
module: Cisco-IOS-XR-isis-cfg
  +--rw isis
    +--rw instances
      +--rw instance* [instance-name]
        +--rw nets
          +--rw net* [net-name]
            +--rw net-name        xr:Osi-net
```

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

A.
```xml
<isis>
  <instances>
   <instance>
     <instance-name>1</instance-name>
     <nets>
       <net>
         <net-name>49.0010.0100.1001.00</net-name>
       </net>
      <nets>
     </instance>
  </instances>
</isis>
```

B.
```xml
<isis>
 <instances>
    <instance>1</instance>
    <nets>
       <net>xr:Osi-net 49.0100.1001.00</net>
    <nets>
  </instances>
</isis>
```

C.

```
<isis>
 <instances>
   <instance>
     <instance-name>
       <nets>
         <net>
           <net-name>
              1, 49.0010.0100.1001.00
           </net-name>
         </net>
       </nets>
     </instance-name>
   </instance>
 </instances>
</isis>
```

D.
```
<isis>
  <instances>
    <instance>
      <instance-name>1</instance-name>
      <nets>
        <net>
          <net-name>[49.0010.0100.1001.00]</net-name>
        </net>
      </nets>
    </instance>
  </instances>
</isis>
```

Answer: A

NEW QUESTION 10
Which two data formats are human readable? (Choose two.)

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

Answer: AE

NEW QUESTION 11
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 13
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 15
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 16
Which NETCONF datastore is locked while the network device configuration is edited?

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

Answer: A

NEW QUESTION 20
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 23
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 24
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 27
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 28
......

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questons and Answers in PDF Format

300-535 Practice Exam Features:

* 300-535 Questions and Answers Updated Frequently

* 300-535 Practice Questions Verified by Expert Senior Certified Staff

* 300-535 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* 300-535 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
Order The 300-535 Practice Test Here