



# 300-535<sup>Q&As</sup>

Automating and Programming Cisco Service Provider Solutions  
(SPAUTO)

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### QUESTION 1

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

Correct Answer: AC

### QUESTION 2

```
<?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()

Correct Answer: D

### QUESTION 3

```
RP/0/RP0/CPU0:iosxrv-1#show telemetry model-driven subscription
Fri Aug 23 20:39:44.122 UTC
Subscription:          Interface          State: NA
-----
Sensor groups:
Id                    Interval(ms)      State
Interface-Counters  30000             Resolved

Destination Groups:
Id                    Encoding          Transport  State Port  Vrf  IP
DEST1                self-describing-gpb  grpc      NA    5432  Mgmt-intf172.16.1.12
TLS :                172.16.1.12
```

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.

Correct Answer: B

### QUESTION 4



```
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.

Correct Answer: B

#### QUESTION 5

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

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.

Correct Answer: DE



#### QUESTION 6

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

Correct Answer: AB

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2018/pdf/BRKSPG-2008.pdf> Slide 16

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#### QUESTION 7

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.

Correct Answer: AC

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#### QUESTION 8

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

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

Correct Answer: AE

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#### QUESTION 9



```
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.

```
<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.

```
<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>
```



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: A

---

#### QUESTION 10

```
<operation> /<api-entry>/<path>?<query>#<fragment>
```

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

Correct Answer: BE

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2016/pdf/DEVNET-1081.pdf> page 25

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