

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

Automating and Programming Cisco Service Provider Solutions  
(SPAUTO)

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### QUESTION 1

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

Correct Answer: D

Reference: <https://pynet.twb-tech.com/blog/automation/netmiko.html>

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### QUESTION 2

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.

Correct Answer: CD

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### QUESTION 3

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

Correct Answer: A

Reference: <https://www.cisco.com/c/en/us/products/routers/wan-automation-engine/index.html>

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**QUESTION 4**

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

Correct Answer: BE

**QUESTION 5**

```
module: Cisco-IOS-XR-telemetry-model-driven-cfg
  x--rw telemetry-model-driven
    +--rw sensor-groups
      +--rw sensor-group* [sensor-group-identifier]
        +--rw sensor-paths
          |   +--rw sensor-path* [telemetry-sensor-path]
          |   +--rw telemetry-sensor-path string
          +--rw sensor-group-identifier xr:Cisco-ios-xr-string
```

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

A.

```
( "Cisco-IOS-XR-telemetry-model-drive-cfg:telemetry-model-driven": (  
  "sensor-groups": (  
    "sensor-group": [(  
      "sensor-paths": (  
        "sensor-path": [  
          ("telemetry-sensor-path": "openconfig-interfaces:interfaces"),  
          ("telemetry-sensor-path": "openconfig-platform:components"),  
        ]  
      ),  
    ],  
    "sensor-group-identifier": "Interface-Counters",  
  )]  
)  
)  
)
```

B.

```
{  
  "Cisco-IOS-XR-telemetry-model-drive-cfg:telemetry-model-driven": {  
    "sensor-groups": {  
      "sensor-group-identifier": "Interface-Counters",  
      "sensor-paths": {  
        {"telemetry-sensor-path": "openconfig-interfaces:interfaces"},  
        {"telemetry-sensor-path": "openconfig-platform:components"},  
      }  
    }  
  }  
}
```

C.

```
{ "Cisco-IOS-XR-telemetry-model-drive-cfg:telemetry-model-driven": {  
  "sensor-groups": {  
    "sensor-group": [{  
      "sensor-group-identifier": "Interface-Counters",  
      "sensor-paths": {  
        "sensor-path": [  
          {"telemetry-sensor-path": "openconfig-interfaces:interfaces"},  
          {"telemetry-sensor-path": "openconfig-platform:components"},  
        ]  
      }  
    }  
  ]  
}  
}
```

D.

```
(  
  "Cisco-IOS-XR-telemetry-model-drive-cfg:telemetry-model-driven": (  
    "sensor-groups": (  
      "sensor-group": [(  
        "sensor-group-identifier": "Interface-Counters",  
        "sensor-paths": (  
          "sensor-path": [  
            ("telemetry-sensor-path": "openconfig-interfaces:interfaces"),  
            ("telemetry-sensor-path": "openconfig-platform:components"),  
          ]  
        )  
      )  
    ]  
  )  
)  
)  
)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

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