



300-535^{Q&As}

Automating and Programming Cisco Service Provider Solutions
(SPAUTO)

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**QUESTION 1**

```
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

Correct Answer: D

QUESTION 2

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>

QUESTION 3

What are two characteristics of the NFV architecture approach? (Choose two.)

- A. It decouples the network functions from proprietary hardware appliances.
- B. It provides 70% more efficiency of network infrastructure.
- C. It is specially designed for Internet providers.
- D. It is specially designed for telecommunications service providers.
- E. It typically includes a hypervisor.

Correct Answer: AE

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2016/pdf/LTRSPM-2022.pdf>

QUESTION 4

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. Ncclient

Correct Answer: A

Reference: <https://pypi.org/project/ncclient/>

QUESTION 5

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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