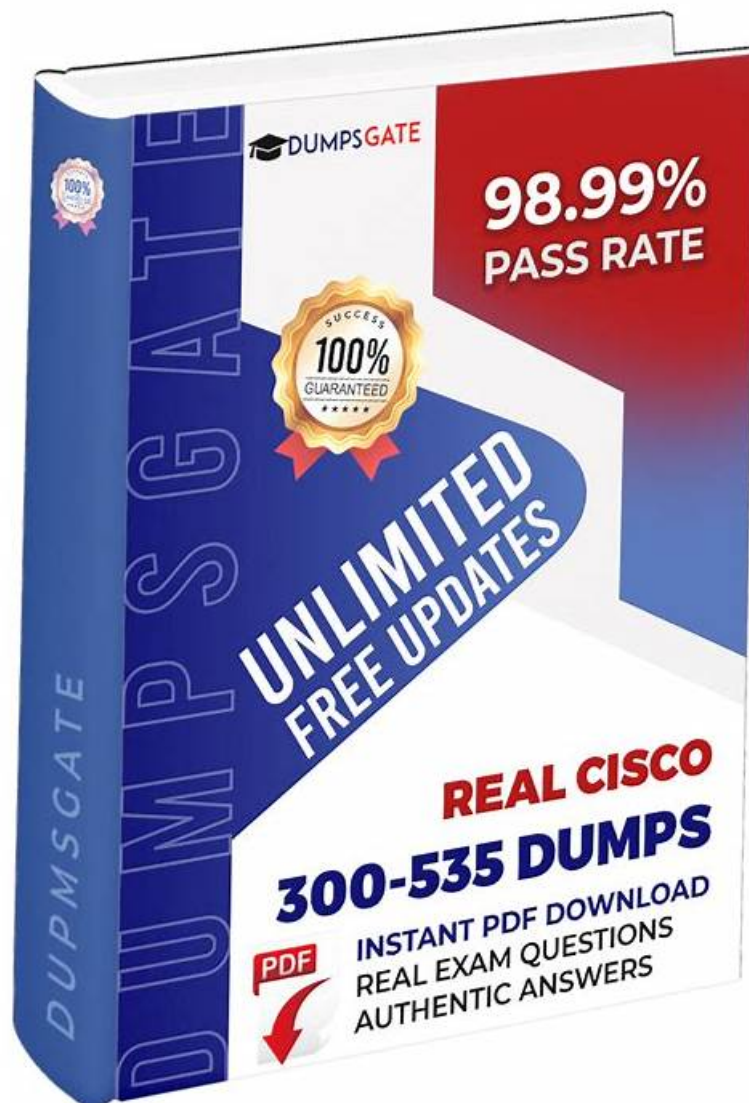


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Cisco 300-535 exam is designed to test the candidate's ability to develop automation solutions for integrating Cisco Collaboration solutions with other enterprise applications, such as web applications, cloud services, and social media platforms. It tests a candidate's proficiency in programming languages, such as Python and JavaScript, and automation frameworks and tools, like Ansible and Git. 300-535 exam also requires the candidate's knowledge of REST APIs and scripting languages used for collaboration solutions.

To prepare for this certification test, you should review its content outline available on the official webpage. Thus, it consists of 4 main topics, which include the following:

- **Network Device Programmability (30%):** This area covers the details of the deployment of device configuration and validation of the operational state with the use of ncclient, comparison of gNMI and NETCONF, as well as construction of a Python script with the use of NETCONF and YDK. It will also evaluate your knowledge of the Xpath notation, NetMiko,

gRPC, and Ansible playbooks.

- **Orchestration & Automation Platforms (30%):** Here, it is important to know how to identify the use cases of Cisco WAE and the benefits of NSO, construct a service template, and deploy a service package. You should also have the skills in implementing XR traffic controller and describing NSO architecture.
- **Automation APIs & Protocols (30%):** For this topic, a potential candidate has to possess the skills in comparing the common data types (plain text, JSON, gRPC, XML, etc.), implementing the operation and configuration management with the use of the RESTCONF protocol, and interpreting a YANG module tree, which is generated by pyang. Your knowledge base should also include the details of the identification of the XML or JSON instance based on a YANG model.
- **Network Programmability Foundation (10%):** This is the last domain covered in the Cisco 300-535 Exam. It is all about the utilization of common version control operations with git, benefits of using network configuration tools, as well as Python scripts, which contain data functions, types, conditions, looping, and classes.

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Cisco Automating and Programming Cisco Collaboration Solutions Sample Questions (Q22-Q27):

NEW QUESTION # 22

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. destination IP address, destination port, encoding, and protocol
- B. source IP address, source port, encoding, and protocol
- C. source IP address, source port, encoding, and sampling interval
- D. destination IP address, destination port, encoding, and sensor path

Answer: A

NEW QUESTION # 23

Refer to the exhibit.

```
tasks:
- name: run show version on remote devices
  iosxr_command:
    commands: show version
```

What must be added after the last line of the Ansible playbook to check if the output contains "IOS-XR"?

- A. notify: "IOS-XR"
- B. wait_for: result[0] contains IOS-XR
- C. wait_for_connection:
- D. wait_for: result[1] contains "IOS-XR"

Answer: B

NEW QUESTION # 24

What are two fundamental design constraints of a RESTful API? (Choose two.)

- A. It is a client-server communication model where the client and the server are independent of one another.
- B. It exposes procedures or functions for a client call.

- C. It includes a series of interactions to the API that are dependent on one another.
- **D. Each interaction is independent from all others on the server side.**
- E. It is dependent on the communication protocol being HTTP.

Answer: A,D

Explanation:

Section: Automation and Orchestration Platforms

NEW QUESTION # 25

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

```
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()
```

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

Answer: C

NEW QUESTION # 26

Which Cisco IOS XR high-availability feature is used to prevent routes from being used before LDP converges?

- **A. LDP-IGP synchronization**
- B. BFD
- C. LDP session protection
- D. IGP session protection

Answer: A

NEW QUESTION # 27

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