



# CISCO 300-535

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**Cisco CCNP Service Provider Certification Questions & Answers**

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**Exam Summary – Syllabus – Questions**

**300-535**

**[Cisco Certified DevNet Specialist Service Provider Automation and Programmability](#)**

**55-65 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes**

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## Know Your 300-535 Certification Well:

The 300-535 is best suitable for candidates who want to gain knowledge in the Cisco Service Provider. Before you start your 300-535 preparation you may struggle to get all the crucial CCNP Service Provider materials like 300-535 syllabus, sample questions, study guide.

But don't worry the 300-535 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the 300-535 syllabus?
- How many questions are there in the 300-535 exam?
- Which Practice test would help me to pass the 300-535 exam at the first attempt?

Passing the 300-535 exam makes you Cisco Certified DevNet Specialist Service Provider Automation and Programmability. Having the CCNP Service Provider certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Cisco 300-535 CCNP Service Provider Certification Details:

<b>Exam Name</b>	Automating and Programming Cisco Service Provider Solutions
<b>Exam Code</b>	300-535
<b>Exam Price</b>	\$300 USD
<b>Duration</b>	90 minutes
<b>Number of Questions</b>	55-65
<b>Passing Score</b>	Variable (750-850 / 1000 Approx.)
<b>Recommended Training</b>	<a href="#">Implementing Automation for Cisco Service Provider Solutions (SPAUI)</a>
<b>Exam Registration</b>	<a href="#">PEARSON VUE</a>
<b>Sample Questions</b>	<a href="#">Cisco 300-535 Sample Questions</a>

<b>Practice Exam</b>	<b><u><a href="#">Cisco Certified DevNet Specialist Service Provider Automation and Programmability Practice Test</a></u></b>
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## 300-535 Syllabus:

Section	Weight	Objectives
Network Programmability Foundation	10%	<ul style="list-style-type: none"> <li>- Utilize common version control operations with git (add, clone, push, commit, diff, branching, and merging conflict)</li> <li>- Describe characteristics of API styles (REST and RPC)</li> <li>- Describe the challenges encountered and patterns used when consuming APIs synchronously and asynchronously</li> <li>- Interpret Python scripts containing data types, functions, classes, conditions, and looping</li> <li>- Describe the benefits of Python virtual environments</li> <li>- Explain the benefits of using network configuration tools such as Ansible and Puppet for automating IOS XE or IOS XR platforms</li> </ul>
Automation APIs and Protocols	30%	<ul style="list-style-type: none"> <li>- Describe the characteristics and use of YANG Data Models (OpenConfig, IETF, and Vendor)</li> <li>- Describe common HTTP authentication mechanisms (basic, token, and oauth)</li> <li>- Compare common data types (JSON, XML, YAML, plain text, gRPC, and protobuf)</li> <li>- Identify the JSON instance based on a YANG model</li> <li>- Identify the XML instance based on a YANG model</li> <li>- Interpret a YANG module tree generated by pyang</li> <li>- Implement configuration and operation management using RESTCONF protocol</li> <li>- Implement configuration and operation management using NETCONF protocol</li> <li>- Compare the NETCONF datastores</li> </ul>
Network Device Programmability	30%	<ul style="list-style-type: none"> <li>- Deploy device configuration and validate operational state using ncclient</li> <li>- Construct a Python script using NETCONF with YDK</li> <li>- Deploy device configuration and validate operational state using NetMiko</li> <li>- Deploy device configuration and validate operational state using Ansible playbooks</li> <li>- Compare gNMI with NETCONF</li> <li>- Construct a Python script using RESTCONF with JSON</li> <li>- Construct Xpath notation for a given node or instance</li> </ul>

Section	Weight	Objectives
		of a node - Diagnose model-driven dial-in/-out telemetry streams with gRPC for a Cisco IOS XR
Automation and Orchestration Platforms	30%	- Describe ETSI NFV - Describe NSO architecture - Identify the benefits of NSO - Construct a Python script to configure a device using NSO RESTCONF API - Describe the management and automation of Cisco ESC components - Implement XR traffic controller (including topology information transfer to XTC) - Identify the uses of Cisco WAE - Construct a service template using NSO - Deploy a service package using NSO

## Cisco 300-535 Sample Questions:

### Question: 1

Which NETCONF datastore is locked while the network device configuration is edited?

- a) running
- b) common
- c) startup
- d) working

**Answer: a**

### Question: 2

After a configuration request is sent using NETCONF, which call releases any locks and resources associated with the session?

- a) <exit-operation>
- b) <close-activity>
- c) <close-session>
- d) <boot-app>

**Answer: c**

**Question: 3**

An engineer just completed the installation of Cisco NSO and all of its components. During testing, some of the services are not working properly.

To resolve the issue, the engineer started undeploying service instances. What can this cause?

- a) It removes the service configuration from the network device only.
- b) It removes the service configuration from the network and NSO.
- c) It removes the service configuration from NSO only.
- d) It runs the service code again when the device is out of sync.

**Answer: b**

**Question: 4**

Which two data formats are human readable?

(Choose two.)

- a) YAML
- b) Apache Arrow
- c) gRPC
- d) binary
- e) JSON

**Answer: a, e**

**Question: 5**

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: d, e**

**Question: 6**

An engineer needs to configure network devices in an automated way. Which two ways are used to create structured data using YANG to provide REST-like APIs to enable programmability access?

(Choose two.)

- a) YAML
- b) JSON
- c) GPB
- d) JSON-RPC
- e) XML

**Answer: b, e**

**Question: 7**

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.

**Answer: a, e**

**Question: 8**

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**

**Question: 9**

What is a key feature of YANG?

- a) use identification
- b) error prediction
- c) JAVA compatibility
- d) reusable types and groupings

**Answer: d**

**Question: 10**

Which data format should be used to serialize structured data in the most compact way?

- a) protobufs
- b) YAML
- c) JSON
- d) XML

**Answer: b**

## Study Guide to Crack Cisco CCNP Service Provider 300-535 Exam:

- Getting details of the 300-535 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 300-535 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Cisco provided training for 300-535 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the 300-535 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 300-535 practice tests is must. Continuous practice will make you an expert in all syllabus areas.



## Reliable Online Practice Test for 300-535 Certification

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