



# CISCO 300-435

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## Cisco CCNP Enterprise Certification Questions & Answers

Exam Summary – Syllabus – Questions

**300-435**

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

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

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## Know Your 300-435 Certification Well:

The 300-435 is best suitable for candidates who want to gain knowledge in the Cisco Enterprise. Before you start your 300-435 preparation you may struggle to get all the crucial CCNP Enterprise materials like 300-435 syllabus, sample questions, study guide.

But don't worry the 300-435 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 300-435 syllabus?
- How many questions are there in the 300-435 exam?
- Which Practice test would help me to pass the 300-435 exam at the first attempt?

Passing the 300-435 exam makes you Cisco Certified DevNet Specialist Enterprise Automation and Programmability. Having the CCNP Enterprise 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 300-435 CCNP Enterprise Certification Details:

<b>Exam Name</b>	Automating and Programming Cisco Enterprise Solutions
<b>Exam Code</b>	300-435
<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 Enterprise Solutions (ENAU1)</a>
<b>Exam Registration</b>	<a href="#">PEARSON VUE</a>
<b>Sample Questions</b>	<a href="#">Cisco 300-435 Sample Questions</a>
<b>Practice Exam</b>	<a href="#">Cisco Certified DevNet Specialist Enterprise Automation and Programmability Practice Test</a>

## 300-435 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, 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 platforms</li> </ul>
Automate APIs and Protocols	10%	<ul style="list-style-type: none"> <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 per RFC8340</li> <li>- Compare functionality, benefits, and uses of OpenConfig, IETF, and native YANG models</li> <li>- Compare functionality, benefits, and uses of NETCONF and RESTCONF</li> </ul>
Network Device Programmability	20%	<ul style="list-style-type: none"> <li>- Implement device management and monitoring using NetMiko</li> <li>- Construct a Python script using ncclient that uses NETCONF to manage and monitor an IOS XE device</li> <li>- Configure device using RESTCONF API utilizing Python requests library</li> <li>- Utilize Ansible to configure an IOS XE device</li> <li>- Configure a subscription for model driven telemetry on an IOS XE device (CLI, NETCONF, and RESTCONF)</li> <li>- Compare publication and subscription telemetry models               <ul style="list-style-type: none"> <li>• Periodic / cadence</li> <li>• On-change</li> </ul> </li> <li>- Describe the benefits and usage of telemetry data in troubleshooting the network</li> <li>- Describe Day 0 provisioning methods               <ul style="list-style-type: none"> <li>• iPXE</li> <li>• PnP</li> <li>• ZTP</li> </ul> </li> </ul>

Section	Weight	Objectives
Cisco DNA Center	20%	<ul style="list-style-type: none"> <li>- Compare traditional versus software-defined networks</li> <li>- Describe the features and capabilities of Cisco DNA Center               <ul style="list-style-type: none"> <li>• Network assurance APIs</li> <li>• Intent APIs</li> <li>• Multivendor support (3rd party SDKs)</li> <li>• Events and notifications</li> </ul> </li> <li>- Implement Cisco DNA Center event outbound webhooks</li> <li>- Implement API requests for Cisco DNA Center to accomplish network management tasks               <ul style="list-style-type: none"> <li>• Intent APIs</li> <li>• Command Runner APIs</li> <li>• Site APIs</li> </ul> </li> <li>- Implement API requests for Cisco DNA Center to accomplish network management tasks using these APIs               <ul style="list-style-type: none"> <li>• Network discovery and device APIs</li> <li>• Template APIs (Apply a template)</li> </ul> </li> <li>- Troubleshoot Cisco DNA Center automation process using Intent APIs</li> </ul>
Cisco SD-WAN	20%	<ul style="list-style-type: none"> <li>- Describe features and capabilities of Cisco SD-WAN vManage Certificate Management APIs</li> <li>- Implement a Python script to perform API requests for Cisco SD-WAN vManage Device Inventory APIs to retrieve and display data</li> <li>- Construct API requests for Cisco SD-WAN vManage Administration APIs</li> <li>- Implement a Python script to perform API requests for Cisco SD-WAN vManage Configuration APIs to modify Cisco SD-WAN fabric configuration</li> <li>- Construct API requests for Cisco SD-WAN vManage Monitoring APIs (Including real-time)</li> <li>- Troubleshoot a Cisco SD-WAN deployment using vManage APIs</li> </ul>
Cisco Meraki	20%	<ul style="list-style-type: none"> <li>- Describe features and capabilities of Cisco Meraki               <ul style="list-style-type: none"> <li>• Location Scanning APIs</li> <li>• MV Sense APIs</li> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>• External Captive Portal APIs</li> <li>• WebHook Alert APIs</li> </ul> <ul style="list-style-type: none"> <li>- Create a network using Cisco Meraki APIs</li> <li>- Configure a network using Cisco Meraki APIs</li> <li>- Implement a Python script for Cisco Meraki Alert WebHooks</li> </ul>

## Cisco 300-435 Sample Questions:

### Question: 1

What are two benefits of leveraging Ansible for automation of Cisco IOS XE Software? (Choose two.)

- a) Ansible playbooks are packaged and installed on IOS XE devices for automatic execution when an IOS device reboots.
- b) All IOS XE operating systems include Ansible playbooks for basic system administration tasks.
- c) It is a device-independent method for automation and can be used with any type of device or operating system.
- d) Ansible playbooks can be written from the IOS XE EXEC command line to configure the device itself.
- e) It does not require any modules of software except SSH to be loaded on the network device.

**Answer: a, c**

### Question: 2

Which two statements are benefits of YANG-push telemetry data over traditional data collection methods? (Choose two.)

- a) The subscription requests use less bandwidth than SNMP polls.
- b) It uses UDP rather than TCP.
- c) You can precisely define data subscriptions.
- d) It scales better than SNMP.
- e) It is supported on more devices than SNMP.

**Answer: b, c**

**Question: 3**

The Cisco DNA Center Sites API must be used to add a device to a site, but only the site name is available. Which API call must be used to retrieve the site identifier so that the device can be properly added to the network?

- a) /dna/intent/api/site/siteId
- b) /dna/intent/api/site
- c) /dna/intent/api/v1/site
- d) /dna/intent/api/v1/site/siteName

**Answer: c****Question: 4**

In which direction does the Cisco DNA Center Intent API communicate?

- a) westbound
- b) eastbound
- c) northbound
- d) southbound

**Answer: c****Question: 5**

When accessing the /device-detail endpoint in Cisco DNA Center, what is an acceptable SearchBy parameter value?

- a) platform type
- b) IP address
- c) software version
- d) MAC address

**Answer: d****Question: 6**

Webhooks that are generated by Cisco DNA Center are REST calls with which properties?

- a) JSON payload delivered via PUT
- b) XML payload delivered via POST
- c) JSON payload delivered via POST
- d) XML payload delivered via PUT

**Answer: a****Question: 7**

Setting is used for the dampening period when configuring an on-change publication for YANG-push versus OpenConfig. What are two characteristics of synchronous calls to APIs? (Choose two.)

- a) They block until a response is returned from the servers
- b) They make an application less portable, so asynchronous calls are preferred
- c) They add perceived latency to an application if data is not received
- d) Calls are limited to specific programming languages
- e) They do not block while waiting for the API to be processed

**Answer: a, c****Question: 8**

An engineer needs to create a new network using the Meraki API. Which HTTP action to the URL `https://api.meraki.com/api/v0/organizations//networks` will result in a 201 response code?

- a) GET
- b) POST
- c) PUT
- d) ADD

**Answer: b****Question: 9**

A programmer is creating a Meraki webhook Python script to send a message to Webex Teams. Which two elements should be configured to create this script? (Choose two.)

- a) gRPC credentials
- b) Webex Teams access token
- c) XML formatted request
- d) user authentication count
- e) webhook server secret

**Answer: b, d****Question: 10**

With the MV Sense API, which REST endpoint provides LUX level?

- a) `/merakimv/XXXX-XXXX-XXXX/light`



- b) /merakimv/XXXX-XXXX-XXXX/raw\_detections
- c) /merakimv/XXXX-XXXX-XXXX/0
- d) /merakimv/XXXX-XXXX-XXXX/zones

**Answer: a**

## Study Guide to Crack Cisco CCNP Enterprise 300-435 Exam:

- Getting details of the 300-435 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 300-435 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 300-435 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 300-435 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 300-435 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

### Reliable Online Practice Test for 300-435 Certification

Make NWExam.com your best friend during your Automating and Programming Cisco Enterprise Solutions exam preparation. We provide authentic practice tests for the 300-435 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 300-435 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the 300-435 exam.

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