



CISCO 300-435

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:

Exam Name	Automating and Programming Cisco Enterprise Solutions
Exam Code	300-435
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Implementing Automation for Cisco Enterprise Solutions (ENAU1)
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-435 Sample Questions
Practice Exam	Cisco Certified DevNet Specialist Enterprise Automation and Programmability Practice Test

300-435 Syllabus:

Section	Weight	Objectives
Network Programmability Foundation	10%	<ul style="list-style-type: none"> - Utilize common version control operations with git (add, clone, push, commit, diff, branching, merging conflict) - Describe characteristics of API styles (REST and RPC) - Describe the challenges encountered and patterns used when consuming APIs synchronously and asynchronously - Interpret Python scripts containing data types, functions, classes, conditions, and looping - Describe the benefits of Python virtual environments - Explain the benefits of using network configuration tools such as Ansible and Puppet for automating IOS XE platforms
Automate APIs and Protocols	10%	<ul style="list-style-type: none"> - Identify the JSON instance based on a YANG model - Identify the XML instance based on a YANG model - Interpret a YANG module tree generated per RFC8340 - Compare functionality, benefits, and uses of OpenConfig, IETF, and native YANG models - Compare functionality, benefits, and uses of NETCONF and RESTCONF
Network Device Programmability	20%	<ul style="list-style-type: none"> - Implement device management and monitoring using NetMiko - Construct a Python script using ncclient that uses NETCONF to manage and monitor an IOS XE device - Configure device using RESTCONF API utilizing Python requests library - Utilize Ansible to configure an IOS XE device - Configure a subscription for model driven telemetry on an IOS XE device (CLI, NETCONF, and RESTCONF) - Compare publication and subscription telemetry models <ul style="list-style-type: none"> • Periodic / cadence • On-change - Describe the benefits and usage of telemetry data in troubleshooting the network - Describe Day 0 provisioning methods <ul style="list-style-type: none"> • iPXE • PnP • ZTP

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

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

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

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