CISCO 300-635

Cisco CCNP Data Center Certification Questions & Answers

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300-635

Cisco Certified DevNet Specialist Data Center Automation and Programmability

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

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Discover More about the 300-635 Certification

Are you interested in passing the Cisco 300-635 exam? First discover, who benefits from the 300-635 certification. The 300-635 is suitable for a candidate if he wants to learn about Data Center. Passing the 300-635 exam earns you the Cisco Certified DevNet Specialist Data Center Automation and Programmability title.

While preparing for the 300-635 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-635 PDF contains some of the most valuable preparation tips and the details and instant access to useful **300-635 study materials just at one click**.

Cisco 300-635 CCNP Data Center Certification Details:

Exam Name	Automating and Programming Cisco Data Center Solutions
Exam Number	300-635 DCAUTO
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 Data Center Solutions (DCAUI)**
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 300-635 Sample Questions**
Practice Exam	**Cisco Certified DevNet Specialist Data Center Automation and Programmability Practice Test**

300-635 Syllabus:

Section	Weight	Objectives
Network Programmability Foundation	10%	- Utilize common version control operations with git: add, clone, push, commit, diff, branching, merging conflict - Describe characteristics of API styles (REST and RPC)

Section	Weight	Objectives
		- 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 data center platforms
Controller Based Data Center Networking	30%	- Describe the following: • ACI target policy • ACI application hosting capabilities • Implementation of an ACI application from the Cisco ACI Apps Center - Leverage the API inspector to explore the REST API calls made by the ACI GUI - Construct a Python script to create an application policy using the ACI REST API - Construct a Python script to create an application policy using the ACI Cobra SDK - Construct an Ansible playbook to create an application policy - Describe the benefits of integrating Kubernetes infrastructure using the ACI CNI plugin
Data Center Device-centric Networking	30%	- Describe Day 0 provisioning with NX-OS • Cisco POAP • NX-OS iPXE - Implement On-Box Programmability and Automation with NX-OS • Bash • Linux containers (LXC and Docker using provided container) • NX-OS guest shell • Embedded Event Manager (EEM) • On-box Python Scripting - Compare model-driven telemetry such as YANG Push and gRPC to traditional network monitoring

Section	Weight	Objectives
		strategies such as SMNP, Netflow, and SYSLOG - Construct Python script that consumes model-driven telemetry data with NX-OS - Implement Off-Box Programmability and Automation with NX-OS • Nexus NX-API (NX-API REST and NX-API CLI) • Nexus NETCONF using native and OpenConfig • Network configuration tools with NX-OS (Ansible)
Data Center Compute	30%	- Configure Cisco UCS with developer tools • UCS PowerTool • UCS Python SDK • Ansible - Describe the capabilities of the DCNM API - Identify the steps in the Intersight API authentication method - Construct an Intersight API call given documentation to accomplish tasks such as manage server policies, service profiles, and firmware updates - Describe the process to implement workflows for physical and virtual infrastructure using UCS Director • Pre-defined tasks • Custom tasks • Script libraries - Utilize UCS Director REST API browser

Broaden Your Knowledge with Cisco 300-635 Sample Questions:

Question: 1

When Cisco Nexus switches are implemented, which command requires the method key to perform a POST operation using the NXAPI-CLIJSON-RPC interface?

a) cli
b) cli_conf
c) cli_show
d) cli_post

Answer: b

Question: 2

How should the Kubernetes manifests be modified to allow Kubernetes environment integration with Cisco ACI?

a) The metadata section must contain the Cisco APIC management IP.
b) The manifest does not have to be changed, but the Kubernetes object is not discovered by Cisco ACI if this is not defined in the manifest.
c) The manifests must include ACI EPG reference.
d) No change is needed to perform this action.

Answer: d

Question: 3

What is the network bootstrap program used by Cisco NX-OS iPXE?

a) NETBOOT
b) NX-OS iPXE
c) iPXE-POAP
d) Mini-OS

Answer: a

Question: 4

An engineer is implementing a Cisco Nexus switch. Which command executes an Ansible playbook called n9k.yml?

a) ansible-playbook -f N9K.yml
b) ansible-playbook -f n9k.yml -run now
c) ansible-playbook -f n9k.yml

d) ansible-playbook n9k.yml

Answer: d

Question: 5

When the Cisco bigmuddy-network-telemetry-collector from GitHub is used, which command displays only the message headers?

a) --print
b) --all
c) --brief
d) --print-all

Answer: c

Question: 6

Which two statements apply to authentication when using the Cisco Intersight API?

(Choose two.)

a) Each API Key can be assigned specific roles but not privileges.
b) Secret Key is only available at API Key creation time.
c) The user credentials for the cisco.com accounts are shared with the Cisco Intersight Web Service.
d) An API Key is composed of a keyId and sessionCookie.

Answer: b, c

Question: 7

What is a feature of model-driven telemetry?

a) randomizes the data out of the network
b) continuously streams data out of the network
c) randomizes the data coming to the network
d) continuously pulls data out of the network

Answer: d

Question: 8

During the process of starting a Python network telemetry collector, which command starts the Cisco bigmuddy- network-telemetry-collector from GitHub?

a) model driven telemetry
b) telemetry_receiver.py --ip-address --port

c) telemetry_receiver.py --destination --url
d) streaming telemetry

Answer: b

Question: 9

Which two statements describe the authentication method used with Cisco Intersight REST API Requests?

(Choose two.)

a) The REST API request contains a base64-encoded signature of the message content and headers.
b) The REST API request message body is encoded as a SHA384 hash and then signed with the API Key ID.
c) The Cisco Intersight Web service verifies the signature of incoming request with the RSA public key for the API Key ID.
d) The incoming REST API request is challenged by the Cisco Intersight Web service with a request for the RSA private key.
e) The message body is encoded as a SHA256 hash if the message body is not empty and then signed with the API Key ID.

Answer: a, d

Question: 10

A set of automation scripts work with no issue from a local machine, but an experiment needs to take place with a new package found online. How is this new package isolated from the main code base?

a) Add the new package to your requirements.txt file.
b) Create a new virtual machine and perform a pip install of the new package.
c) Perform a pip install of the new package when logged into your local machine as root.
d) Create a new virtual environment and perform a pip install of the new package.

Answer: d

Avail the Study Guide to Pass Cisco 300-635 CCNP Data Center Exam:

- Find out about the 300-635 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.

- Once you are done exploring the **300-635 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the 300-635 training. Joining the Cisco provided training for 300-635 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **300-635 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-635 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the 300-635 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

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