

(ramakarvil) --- Python Programming for Cisco Network Engineers (PCNE) Course

by Eisha Amir

General metrics

3,674

characters

542

words

49

sentences

2 min 10 sec

reading
time

4 min 10 sec

speaking
time

Writing Issues



No issues found

Plagiarism



This text seems 100% original. Grammarly found no matching text on the Internet or in ProQuest's databases.

Unique Words

43%

Measures vocabulary diversity by calculating the percentage of words used only once in your document

unique words

Rare Words

34%

Measures depth of vocabulary by identifying words that are not among the 5,000 most common English words.

rare words

Word Length

5.6

Measures average word length

characters per word

Sentence Length

11.1

Measures average sentence length

words per sentence

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Meta Description:

URL: python-programming-for-cisco-network-engineers-course

Major Keyword: Python Programming for Cisco Network Engineers (PCNE) ()

Other Keywords:

Python Programming for Cisco Network Engineers (PCNE) Course

Python Programming for Cisco Network Engineers (PCNE) Course Description

You might wonder why you need to learn Python as a network engineer or someone with a similar background. After all, the industry's shift toward network automation is apparent. In addition, you could administer your network using various tools without having to write any code. Or, if you ever need to develop something directly, you have software experts who can take care of it. Python Programming for Cisco Network Engineers (PCNE) training is designed to cater to the growing need to hasten the operations of software-based technologies in a Cisco enterprise. Learn everything from the fundamentals of Python programming to the specific skills and tools required to manage network devices using Python programming. Start with Networkers Home Python Programming for Cisco Network Engineers (PCNE) today!

For Cisco networking experts, this course offers extensive Python programming training. You will discover how to create, edit, change, and develop complicated Python scripts while using APIs and data models exclusively focusing on Python programming. You'll be able to automate Cisco networking operations across the company with these skills. Students will learn the fundamentals of

Python programming. This course will explore the fundamentals of Python, from writing practical scripts to setting up network devices. After finishing this course, you will have grasped a strong concept of Python Programming and the ability to write, use, and debug robust network automation programs.

The course targets Network automation engineers, software developers, system integration programmers, infrastructure architects, and network designers, but it is not restricted to those groups. Engineers that configure/manage network devices or integrate software-based solutions in a Cisco enterprise are encouraged to take this course. Additionally, this course requires basic networking skills (CCNA Level) and knowledge of GNS3. It is necessary to comprehend Cisco networking hardware. ACI knowledge and Python or programming knowledge are advantageous but not mandatory. With the help of the Python Programming for Cisco Network Engineers (PCNE) course, you will build a strong concept on the fundamentals of Cisco platforms, automation, and applications. You will be able to use the following skills and knowledge to implement apps to meet corporate needs by the conclusion of the course.

Introduction

Python programming basics

Data structures in Python

Reading and writing to a file in Python

Conditional code and loops in Python

GitHub

Libraries, packages, and modules for Python

Environments for Integrated Development

Analyzing and addressing errors in Python code

APIs and automation protocols supported by Cisco

YANG data model

Application Centric Infrastructure with Cisco

Cisco ACI Whitelists

XML and JSON extraction from the Cisco ACI

Using Python and Postman to alter the ACI policy

Cisco ACI Visore

Cisco UCS topology

UCS configuration Python

Cisco IOS XE RESTCONF API

Cisco IOS XE NETCONF API

Cisco ASA REST API

Cisco Nexus NX-OS APIs

For those passionate about learning Python and who want to work at Cisco as a Python Specialist, we offer the Python Programming for Cisco Network Engineers (PCNE) course. What better way to get started than by signing up for our Python Programming for Cisco Network Engineers (PCNE) course? When you are prepared, let's begin!