

Python for Networking & Systems Administration (TTPS4824)

Duration: 32.00 hours (4 days)

26.0 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Geared for network administrators looking to automate administrative tasks across a set of distributed clients, this course is an introductory and beyond-level practical, hands-on Python course that leads you from the basics of writing and running Python scripts to more advanced features such as file operations, regular expressions, working with binary data, and using the extensive functionality of Python modules with a focus on network-focused modules such as SSH, Git, and RESTful services.

About This Course

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Who Should Attend

This introductory-level Python course is appropriate for advanced users, system administrators and web site administrators who want to use Python to support their server installations, as well as anyone else who wants to automate or simplify common tasks with the use of Python scripts.

Students should have basic development experience in any programming language, along with a working, user-level knowledge of Unix/Linux, Mac, or Windows.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Our engaging instructors and mentors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom.

Working within in an engaging, hands-on learning environment, guided by our expert instructor, students will learn to:

Create working Python scripts following best practices

Use python data types appropriately

Read and write files with both text and binary data

Search and replace text with regular expressions

Get familiar with the standard library and its work-saving modules

Use lesser known but powerful Python data types

Create 'real-world', professional Python applications

Work with dates, times, and calendars

Know when to use collections such as lists, dictionaries, and sets

Understand Pythonic features such as comprehensions and iterators

Write robust code using exception handling

Automate network administrative tasks across distributed clients using SSH, REST, and More

Additional Course Details

Nexus Humans Python for Networking & Systems Administration (TTPS4824) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Python for Networking & Systems Administration (TTPS4824) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Python for Networking & Systems Administration (TTPS4824)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
 - Traditional Instructor-Led Classroom Training (ILT)
 - On-site delivery at your offices anywhere in United Kingdom
 - Private dedicated courses customized for your team
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Q: How many CPD hours does this course provide?

The 4-day Python for Networking & Systems Administration (TTPS4824) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Python for Networking & Systems Administration (TTPS4824) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Python for Networking & Systems Administration (TTPS4824)?

Yes, we provide corporate training, dedicated training, and closed classes for Python for Networking & Systems Administration (TTPS4824). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Python for Networking & Systems Administration (TTPS4824)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Python for Networking & Systems Administration (TTPS4824) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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