Python for Network Security

This course covers the foundational protocols for network transfer and the fundamentals of Python programming for network monitoring, as well as scripting tools for basic network security.

Group classes in NYC and onsite training is available for this course. For more information, email contact@nyimtraining.com or visit: https://training-nyc.com/courses/python-network-security

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Course Outline

Python & Networks

Python Networking

- Python and MySQL
- Networking protocol
- Networking tools

Python Network Automation

- Intro to GNS3
- NAPALM P75
- GNS3 Lab I

Python Network Device Configuration

- NAPALM
- GNS3 Lab II
- Pyntc P69

Python Network Iteration

- Netmiko Scripts P77
- GNS3 Lab III

Cryptography

Intro to Cryptography

- Boolean logic
- Modulus Arithmetic
- Hashing
- Protocols: SSL, TLS, SSH

- Various tools to crack passwords