

Python for Network Engineer

Duration 3 Days

COURSE OUTLINE

1) Basic Programming in Python

- Installing and Preparing Environment
- String and Console Output
- Variable and Data type
- Condition and Control Flow
- Function
- Loop
- Introduction to Classes
- File Input and Output

2) Python SSH Library

- Understanding SSH Library
- Using Python to establish SSHv2 connection to the router and send CLI commands
- Configure Cisco routers for Telnet and SSH access
- Using the Python interpreter shell
- Passing arguments to a Python script
- Accepting user input into a Python program

3) Python Scripting for Cisco devices

- Cisco Python Package
- Using CLI Command API's
- Display Formats
- Non-interactive Python
- Running Scripts with Embedded Event Manager
- Using Python to query SNMP objects on a router
- Building Python Applications