



Python

- Introduction to Python
- Data Structure
- Control Structure
- Functions
- Built in functions
- Dictionary case study
- List and Dictionary Comprehension
- Module
- Built in Modules
- File and Exception Handling
- OOPS Application
- Inheritance, Polymorphism, Overloading and Overriding
- Iterator, Generator and Collection Framework

SSH

- Python + SSH module
- Introduction to Netmiko
- Introduction to Paramiko
- SSH to the Network Devices
- Installation and Verification
- Using Netmiko for SSH
- Configuration of devices using Netmiko
- Exceptional Handling in Netmiko
- Device Auto Detect
- Telnet Protocol in Python
- Push Configuration
- Ip addressing and Network with netaddr
- Netaddr Installation
- Exploring Netaddr Methods
- Sample Use Cases
- Back up Devices Configuration
- Creating your access Terminal

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SSH

- Reading Data From Excel Sheet
- Extracting Useful Data from Network Devices
- Understanding Parsers
- Configuration Auditing Cisco ConfParse
- CiscoConfParse Library
- Supported Vendors
- Cisco Conf Parse Installation
- Working with Cisco Cons Parse
- Lab work

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