Network Automation Python
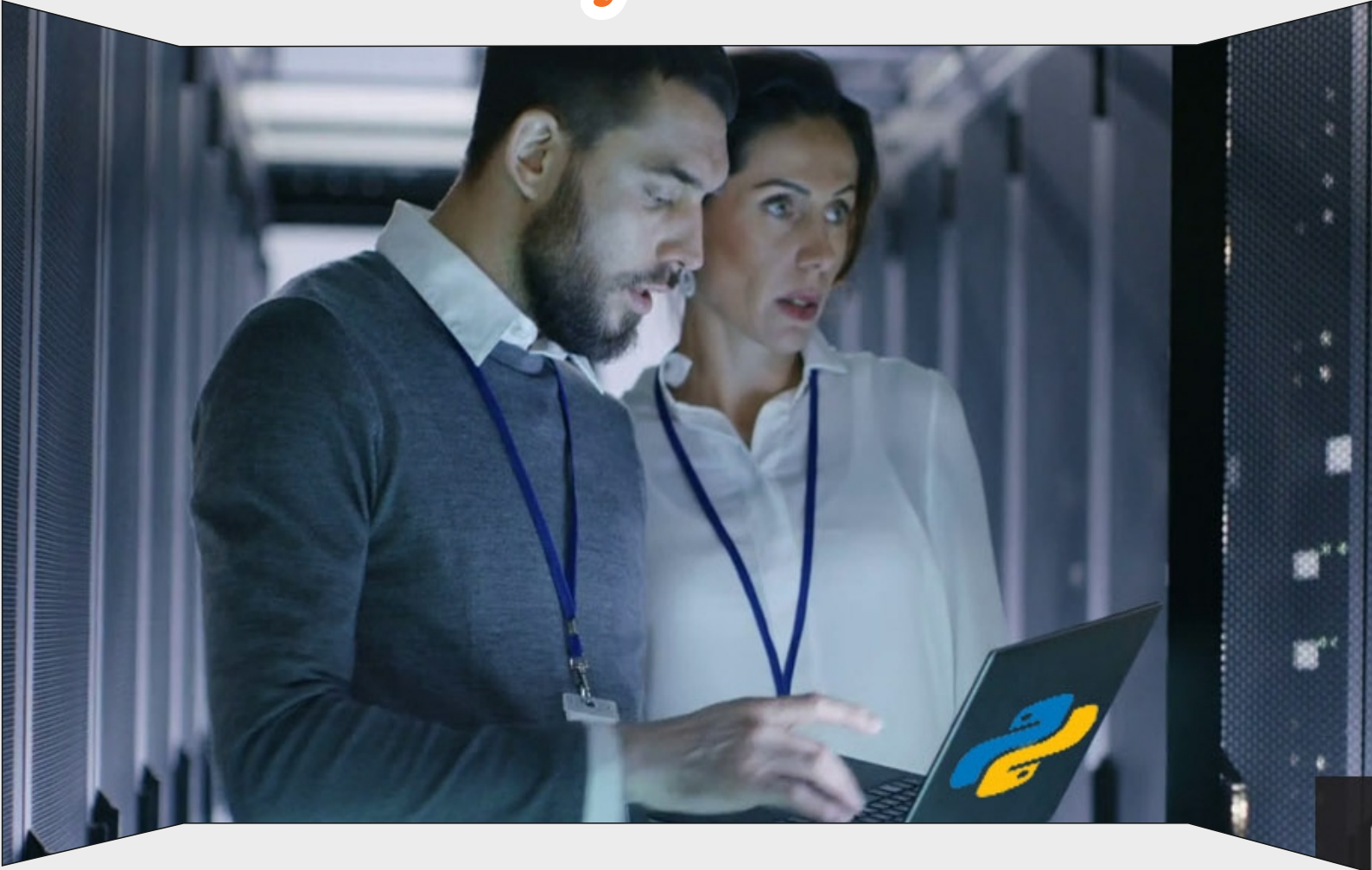
Network Automation with Python

A lot of network admin still use age old techniques of manually maintaining, managing and troubleshooting their networking appliances. This can be tedious, slow and simply doesn't suits the new age needs.With software's getting smarter and being able to configure, manage, provision, test and troubleshoot network devices, Python Automation is a true starting point in network automation. There are a lot of courses out there that will teach about software development using Python, but, this is the true program that teaches Network Automation using Python. The program specifically concentrates in Automating daily needs of network engineers, help them troubleshoot network, perform bulk configuration of multiple networking devices, schedule automated backup of network appliance and more.

Who should take this course
- Network Administrators
- Network Operations Engineers
- Candidates completed with CCNA, CCNP
- Anyone who desires to learn Python for Network Automation

Prerequisites
- Basic Knowledge of Linux
- Basic Knowledge of Python
- Strong Knowledge of Networking
- Good Understanding of Network Infrastructure
- Desire to learn

Please Note: It's strongly recommended that you take the basic course on Python before opting for this course.

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Introduction to Modern Networks

Lab setup on Network Appliances

Lab setup on Virtualization

Lab setup on Virtualization

Introduction to basic Linux

Fundamental of Python

Telnet Using Python Library

1. View Configuration
2. Configuration
3. Troubleshooting
4. Backup

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Paramiko

1. View Configuration
2. Configuration
3. Troubleshooting
4. Backup

Netmiko

1. View Configuration
2. Configuration
3. Troubleshooting
4. Backup

NAPALM

1. View Configuration
2. Configuration
3. Troubleshooting
4. Backup

Pyntc