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Topic: Basic milestones in Network Automation with Python and Cisco device

Let's consider 6 basic milestones to tackle before beginning network automation with Python on Cisco devices.

1. Check System capability

1. A good computer e.g Laptop, Desktop or Server computer
2. Specification: 8GB RAM, 500 TB HDD or SSD, high speed in GHz

2. Knowledge of networking.

1. A knowledge of computer networking
2. Online books and videos
3. Free and paid courses

iii. Knowledge of cisco devices and networking

4. Knowledge of programming

1. Basics of programming e.g variable, function, class, library.
2. Knowledge of the Python programming language

5. Installation of Python, VMware Virtual Machine, Visual Studio Code, EVE NG VM

1. Check that System (e.g Laptop) supports virtualization
2. Install Python Interpreter
3. Install virtualization software e,g VMware or Virtual Box
4. Install programming IDE e.g Visual Studio Code or PyCharm
5. Install EVE NG VM on VMware
6. Setup Python environment with virtual environment, libraries, and ensure that it works in Visual Studio code
7. Setup VMware and EVE NG VM and install Cisco IOS image on EVE NG VM

There is more to each that has been mentioned above. Sometimes it can be very difficult or easy depending on the state of your system and the ability to setup all the necessary hardware and software.

Tags: Python, Cisco, Networking, EVE NG, VMware, Virtualization.

Some requirements toward network automation with python

1. Good Computer
2. Networking Knowledge
3. Programming Knowledge
4. Software as tools such as Python, VMware Virtual Machine, EVE NG VM, Visual Studio Code e.t.c