

Topology

In this lab topology, I have used the following components in GNS3.

1. A Network Automation Appliance named as NetworkAutomation-PC. We will be coding python in this PC.
2. A Layer2 Ethernet Switch named as AccessSW. Used as a connection point for NetworkAutomation-PC, CoreSW and NAT cloud. There is no configuration for this switch as it's a generic L2 one.
3. A NAT cloud named as NAT-1. This is used to provide internet connectivity to the NetworkAutomation-PC. NAT-1 also acts as a DHCP server and it provides IP to NetworkAutomation-PC. Internet connectivity is not mandatory for this lab, however I update my NetworkAutomation-PC.

You can have the topology without the NAT cloud and in case you encounter any package or library missing errors while writing python code, then put the NAT cloud and update the Automation-PC to download the missing files.

4. Three Cisco Virtual IOS switches. We will be configuring these 3 switches from our NetworkAutomation-PC using python programming.

