Project Summary
1) Assist in Setting up Python on a Windows 7 Workstation. python-3.7.4-amd64.exe is installed on the machine but will require assistance with any additional configurations needed for this project.
2) Assist in setting up Authentication, on the Windows 7 Workstation, to allow the Scripts to execute successfully.
3) Create Python Scripts based on the 2 scenarios detailed below in the "Project Details" section.
4) Provide the matching configurations of the Python scripts that were create in step #3 that can be used to verify the functionality using POSTMAN.

Resource
- Attached Document

Test Environment Details
- Workstation running Windows 7 with python-3.7.4-amd64.exe & Postman-win64-7.7.3-Setup.exe for testing if needed.
- Cisco Stealthwatch Management Console and Stealthwatch Flow Collector installed and configured.
- The systems will be configured with TCTP/IP and all necessary initialization.

Project Details
To be determined
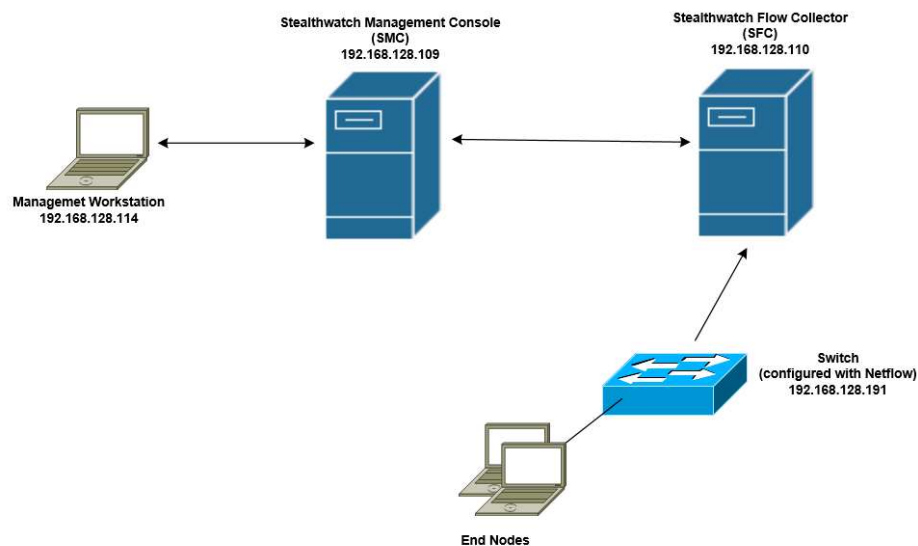
Access Information

SMC GUI – username: admin / Password: WWTwwt1!
SFC GUI – username: admin / Password: WWTwwt1!
Switch SSH – username: admin / Password: WWTwwt1!
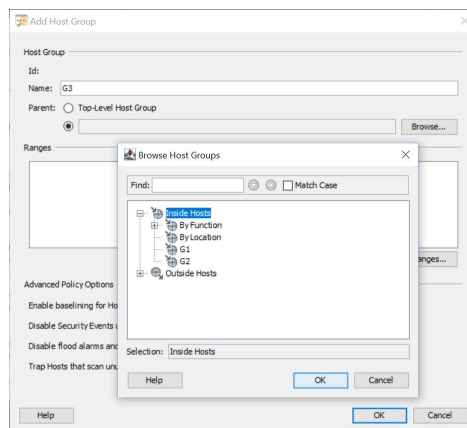Switch – enable password: WWTwwt1!

Configuration Example

In this example we will create three Host Groups that represent end nodes (computers) and create a "Host Lock Policy" that will alarm if the policy is violated.
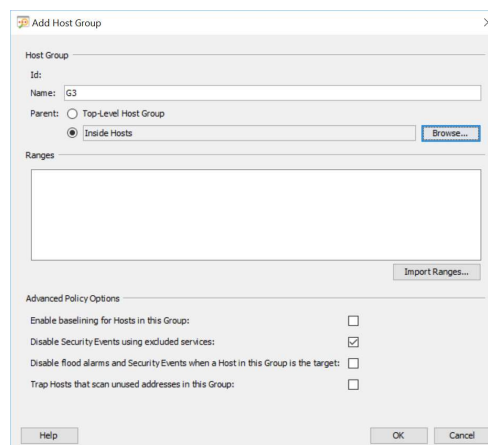
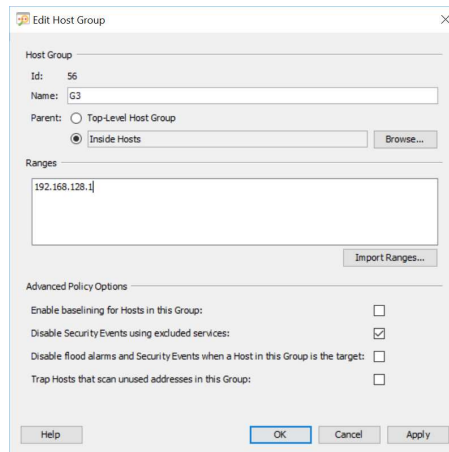First create the Host Groups and add an IP address in each group. There will eb G1, G2 and G3.
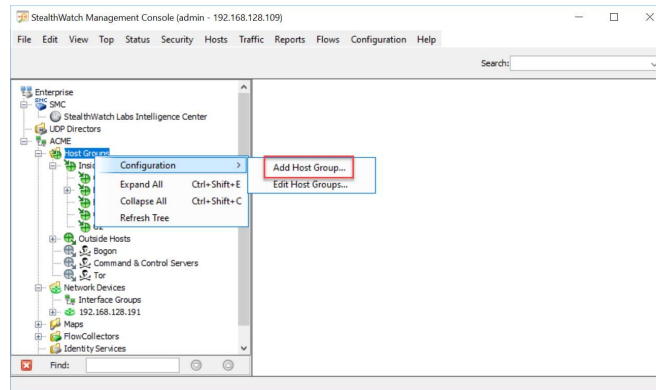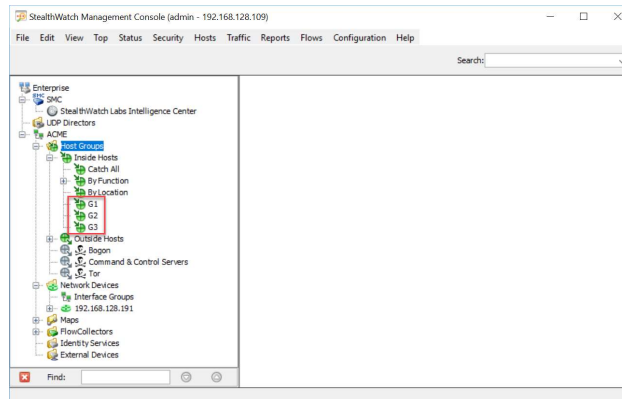

Add Host group.

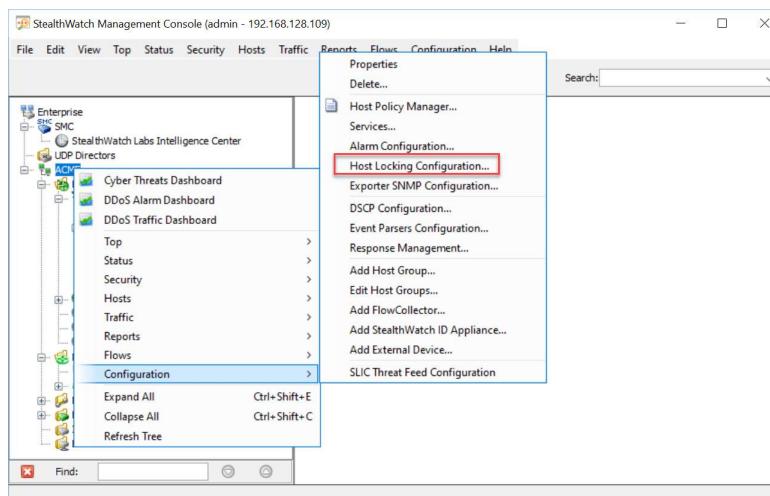Choose the group level and click on OK, Once created

Add the IP address in the format 192.168.128.1/24

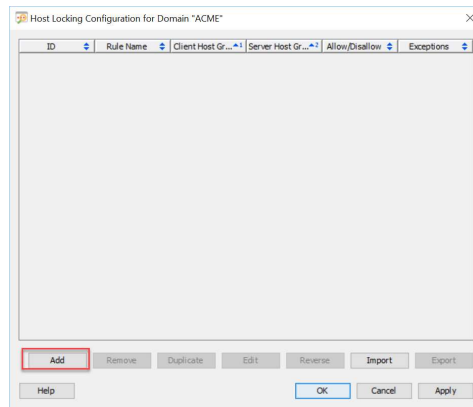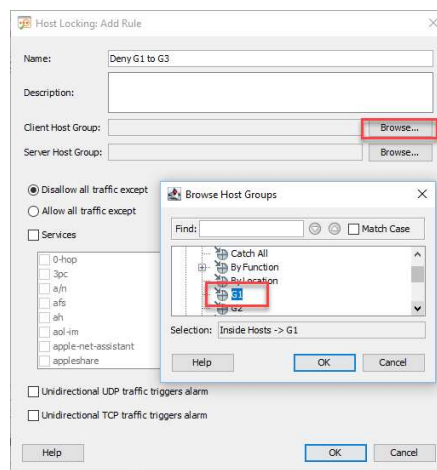
Repeat for G1 and G2

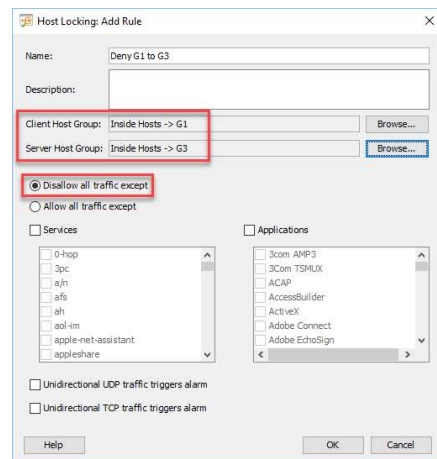Start creating the "Host Lock policy".
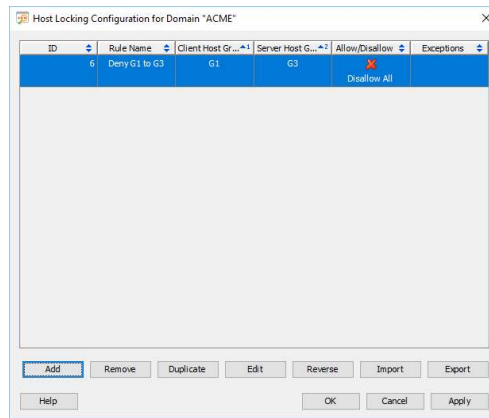
Click add to add the policy.

Specify the Client group (Source).

And specify the Server (Destination).

The policy is shown below.

If the device in Host Group G1 attempts to communicate with the device in Host Group G3 an alarm will be triggered.