Project Summary

- 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 that can be used to verify the functionality using POSTMAN.

Resource

- AsyncOS API 12.0 for Cisco Security Management Appliances - Getting Started Guide - GD (General Deployment)

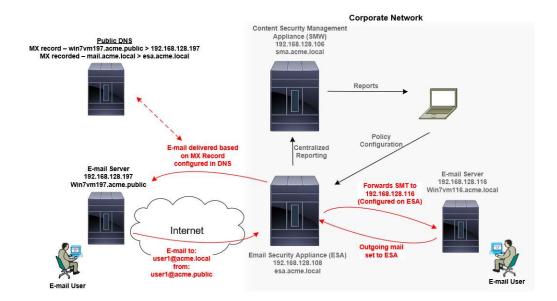
https://www.cisco.com/c/en/us/td/docs/security/security_management/sma/sma12-0/api/b_SMA_API_12.html

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 Content Security Management Appliance and Email Security Appliance installed and configured.
- The systems will be configured with TCTP/IP and all necessary initialization.

Project Details

A policy will be created to block incoming e-mail from the domain acme.public.



Access Information

ESA GUI – username: admin / Password: WWTwwt1! SMA GUI – username: admin / Password: WWTwwt1!

Workstations with Mail server and Client used to send/receive e-mail. RDP to IP address in diagram.

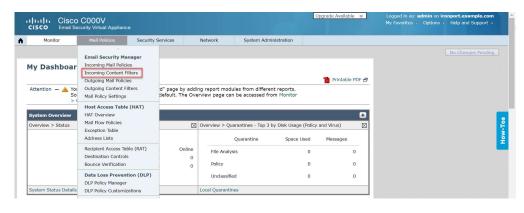
username: Admin / Password: WWTwwt1!

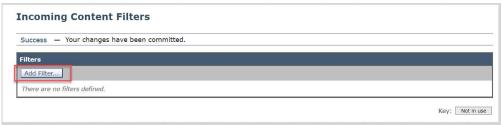
Configuration Example

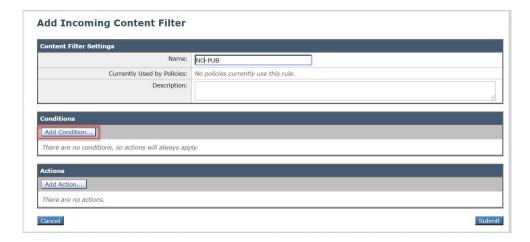
This scenario will use the Web Interface to show the configuration to block email incoming to the ESA from "acme.local".

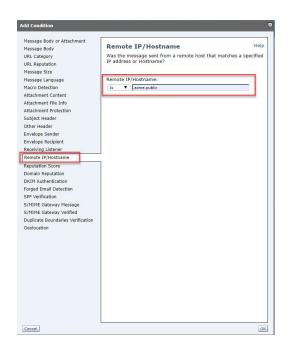
The configuration is performed on the ESA.

Create a Content Filter.



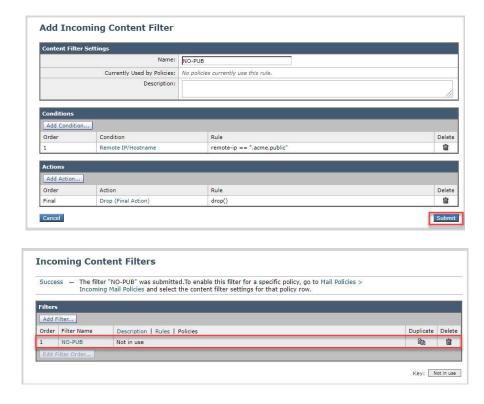




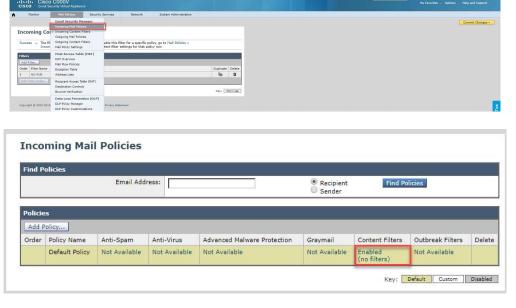


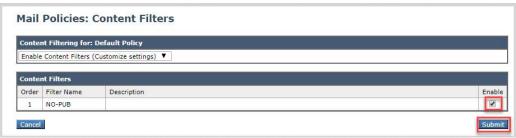






Apply the Content Filter to the default Incoming Mail Policy.



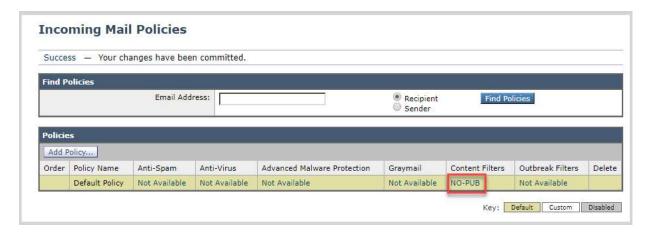


Must commit changes for the policy to become active.





Result.



Reports are gathered from the SMA. This is done on the SMA.

Pull reports of the e-mails that were blocked by the content filter.

