SNORT

Snort is an open source IDS /IPS system founded by Martin Roesch in 1998. It is developed through the snort SourceFire company, which is the most used IDS/IPS system in the world. Cisco bought SourceFire in 2013 and integrated it with its own systems. Snort provides signature, protocol, and anomaly-based inspection to provide flexible protection against malicious attacks in general.

Snort Architecture

- packet decoder
- Detection engine and alarm
- Consists of log system

Packet Sniffer: Monitors by reading packets;

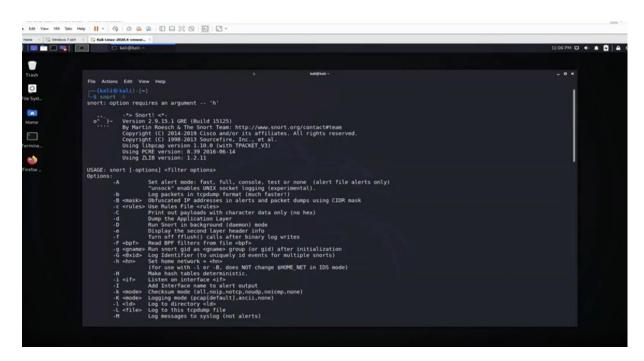
Packet Logger Mode: It saves the packets information and allows them to be written to the specified directories.

NIDS/NIPS: Provides analysis and protection on traffic according to signature database and written rule sets.

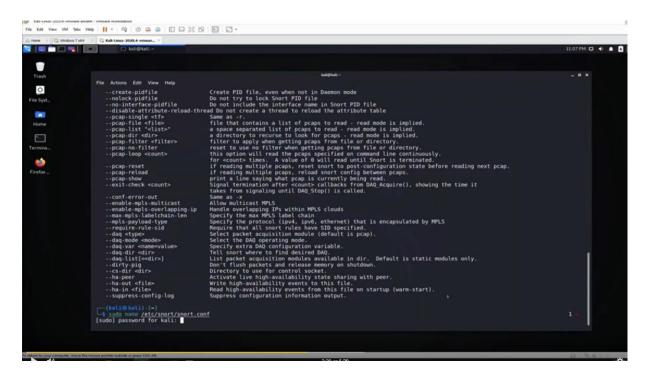
By using Snort to customize and enforce your own security rules, you can protect your environment from rapidly emerging attacks. Cisco® Talos Security Intelligence and Research Group (Talos) writes Snort rules around the clock to combat new and emerging threats. The worldwide Snort community continually provides reviews, testing, and improvements to the Snort source code. You can take advantage of the aggregated information of security teams around the world with change suggestions. Besides these benefits, snort is a very static system. In today's world, it can be difficult to keep networks dynamic and up-to-date, so its structure works by analyzing according to the rule sets in its own database.

Implementation

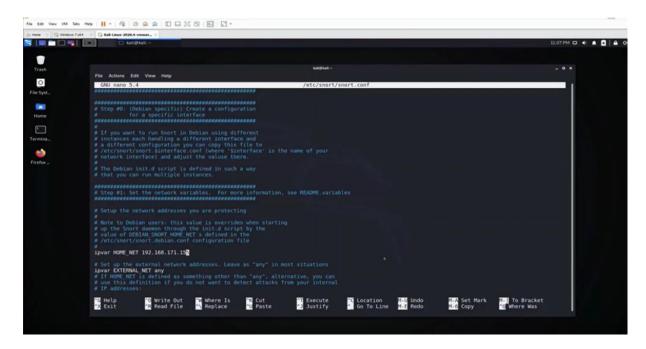
First, we open the help window by typing snort -h. In this way, we can easily see the transactions we can do.



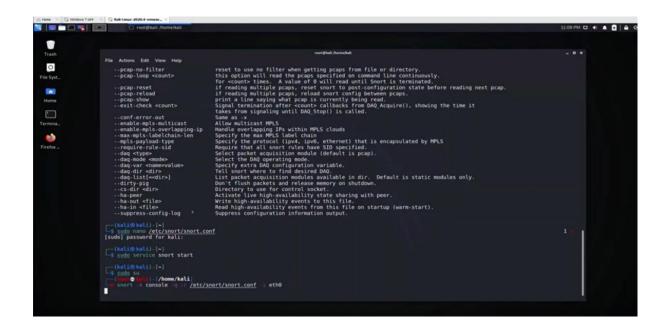
Then we call it to reach the .Config file and after entering the password we show us the file below



Next, we enter the IP of our (computer) that we want to monitor.

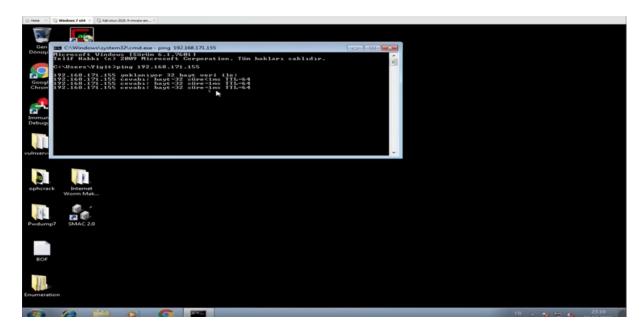


We start Snort and then choose where and how we want to watch it.



-A console : Show me alarm in console >> Show me Report and watch interface >> Where: eht0 , mean that its when we added IP.

We send ping to other computer's IP.



All these reports>>