ASSIGNMENT 8

Network Security

Soheil Shirvani   810195416

Hands On 9:

In hands on 9, we used an application called slowloris to perform a DDoS attack from Kali Linux machine to Victim Windows. Using Wireshark, we observed slowloris sends 2500 TCP packets to Windows Machine to dny any other services in Windows including XAMPP server we had running before.

Slowloris is a script written in pearl programming language. To run the script we simply run below command in Kali Linux Terminal:

"pearl slowloris -DNS 192.168.1.2"

This command does DoS attack to the IP address provided in the command.

Hands-On 10:

In hands-on 10, we used a python app named Ares to do a botnet attack. We installed a bot agent on Windows Victim Machine and the botnet software on Kali Linux Machine. By running the agent on Windows we had access to Windows shell command from Kali machine to run shell scripts.

We tried different windows commands and it worked pretty well for simple commands like "dir, ping, etc."

Assignment 8:

In assignment 8 we want to do the same as I wrote in Hands On 10 but instead of running simple commands, run a DDoS script to attack Windows Victim (In this assingmnet we use Windows machine as both a bot agent and a Victim Server which means it attacks itself!).

To do so, I ran Ares on Kali Linux Machine and Installed Ares bot agent in Windows Machine. I had fully access to machine as shown in the figure below:
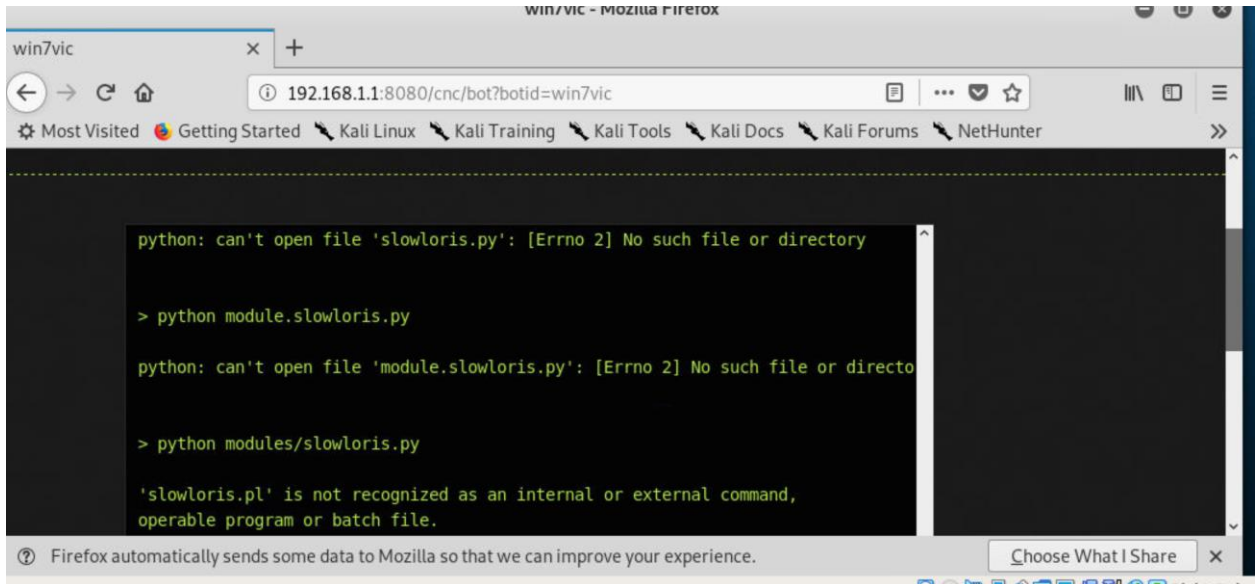
Then the I ran the Agent bot on Windows Machine:
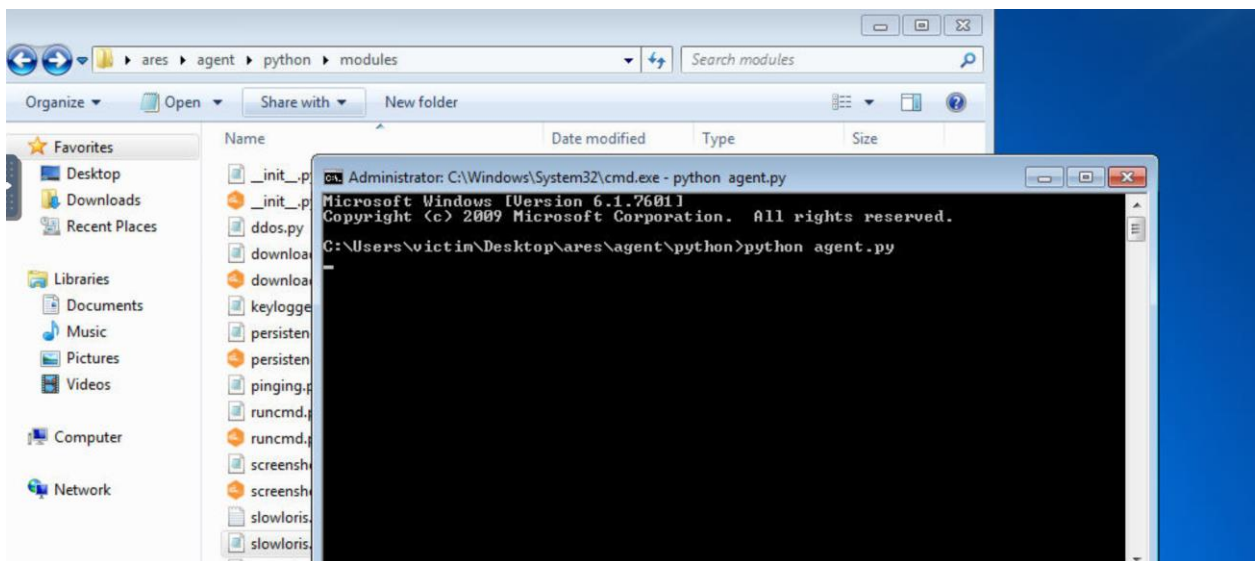
Then I started to run a script so from Kali Linux I be able to run the script to perform DDoS attack.

My Script is like below:

"import os

"os.system("prel slowloris -dns 192.168.1.2")"

I wrote above python script and put it at modules file.

After running above command Ares in Kali Linux stucked on pending.

It should perform DoS attack from Windows Machine and by running slowloris on Linux Kali machine, we should be able to run DoS attack from both Kali Linux and Windows Machine towards Windows Machine Services.

```
'perl' is not recognized as an internal or external command,
operable program or batch file.


> python modules/pinging.py

> python modules/slowloris.pl

  File "modules/slowloris.pl", line 2
    use strict;
              ^
SyntaxError: invalid syntax
```

To run pearl language on Windows I installed https://strawberryperl.com/. Without it it would be impossible to run slowloris in Windows Machine as it is written in pearl and Windows is not able to run it.