

Operation Pain

Research on a botnet community

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How is the botnet sold?

It all starts from a discord named "Pain"

Once we joined the server we saw advertisements for the botnet also named "Pain"

The people who host these botnets like to keep their botnet IP hidden so that sites that malware tracking websites don't get their botnets shut down.

Our mission was to find the IP and expose it to these sites. But our team found way more than expected.

Operation

Step 1. Scroll through the server chats to see if we can find any information on these owners or botnet administrators.

We found 2 IP's that turned out to be slave servers for the botnet:

- 136.175.29.53
- 178.214.181.11

They have been exploited by having default credentials and open ports to the Internet that it does not need.

Step 2. Go into the voice chat where the seller was sharing their screen and get as much as information as we could. Out of this voice chat we found the following:

- 1. Phone Number
- 2. Email Address
- 3. Name
- 4. Botnet IP and Port (23.147.226.118:1234)
- 5. Proof of them using the botnet for malicious purposes

Step 3 try to find their exploits and find the login page.

Luckily enough, an NMAP scan brought back a lot of information on the botnet IP:

PORT STATE SERVICE VERSION

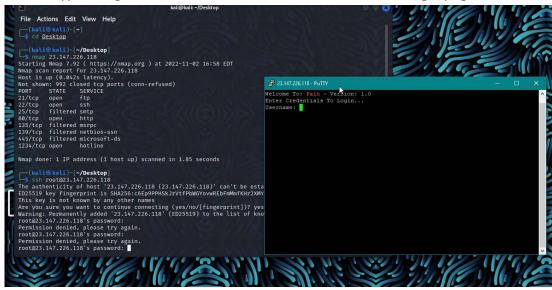
21/tcp open ftp vsftpd 3.0.2

ftp-anon: Anonymous FTP login allowed (FTP code 230)

1234/tcp open hotline?

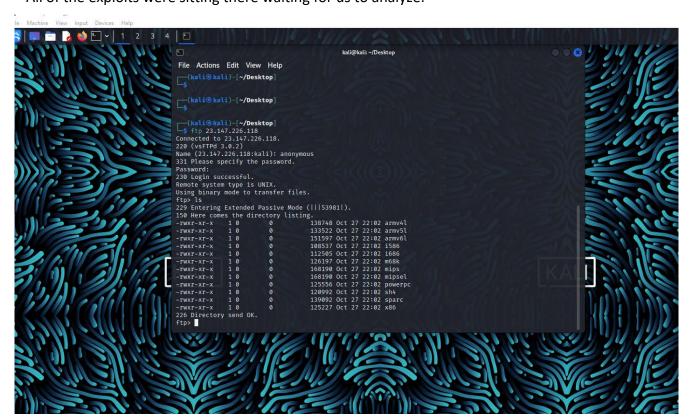
Port 1234 looked unormal to have open on a server so we checked it out

once we used PuTTY to connect to the port and IP we were faced with a black page... but my connection was still there. I typed "login" on the blank screen and BOOM!! Botnet login page was found:



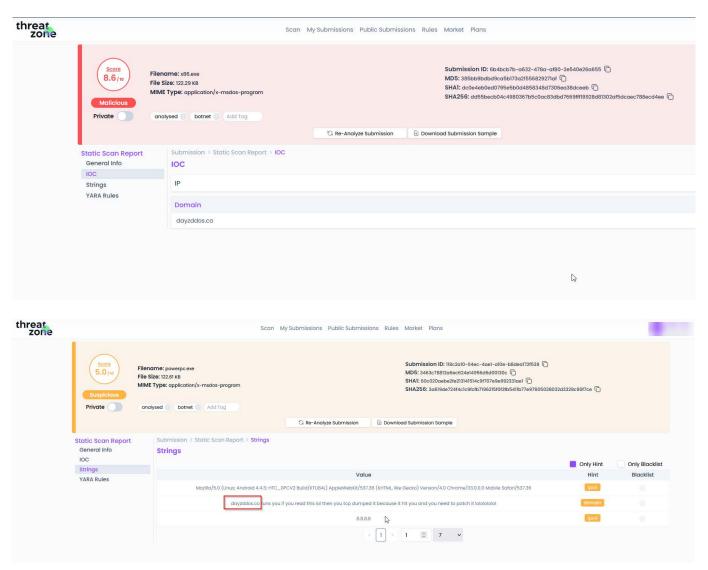
Next we wanted to look at the FTP server especially because anonymous login was allowed So, we logged into the FTP server and we found the treasure!!!!

All of the exploits were sitting there waiting for us to analyze:



Once we had these files it was time to analyze them. So we can share IOCs (Indicators of Compromise) with the community as well as get a better understanding of what these exploits are doing.

We used ThreatZone (threat.zone) and VirusTotal (virustotal.com) to analyze these exploits here are the results and URLs for them:



https://app.threat.zone/submission/118c2a10-04ec-4ae1-a10e-b8dea172f538/static/

https://app.threat.zone/submission/6b4bcb7b-a632-478a-af80-2e540e26a655/static/

https://urlscan.io/result/fbf32c75-a072-475c-8265-80c0df5c0ba9/

https://www.virustotal.com/gui/file/dc2f933d97cb81d03652dab264aeea7c12a0c6557fe2ff5f3f479a99e9a96b44 https://www.virustotal.com/gui/file/36ccd545c1e0b9e32f3f83e5284fbdacbcd43f2070b3e2cd93b04ad07c98a11a https://www.virustotal.com/gui/file/3a619de724f4c1c9fcfb7196215f0f3fb5411b77e97605038032d3328c90f7ce

IOCs (Indicators Of Comprimise):

3463c78812a6ec624e14956d6d00130c 385bb9bdbd9ca5b173a21556829271af d37d4b6d2c6bd8f128e846ec3f05047a 46ee8b5d1b567628dd0ff9337e674668 ww1[.]dayzddos[.]co Here is some proof of them using this botnet for malicious purposes:

