Network Forensics Analysis Report

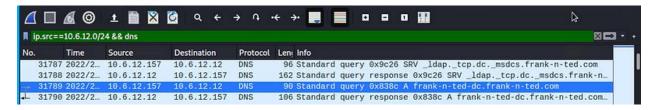
Writeup by Joseph Elbert

Email: Josephelb@comcast.net

LinkedIn: LinkedIn Profile

Time Thieves

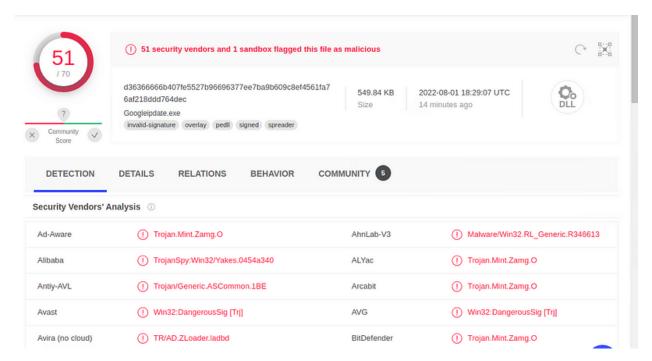
You must inspect the provided traffic capture to answer the following questions:



- 1. What is the domain name of the users' custom site? frank-n-ted.com
- 2. What is the IP address of the Domain Controller (DC) of the AD network? 10.6.12.12
- 3. What is the name of the malware downloaded to the 10.6.12.203 machine? june11.dll

Once you have found the file, export it to your Kali machine's desktop. Upload the file to VirusTotal.com.

4. What kind of malware is this classified as? Trojan

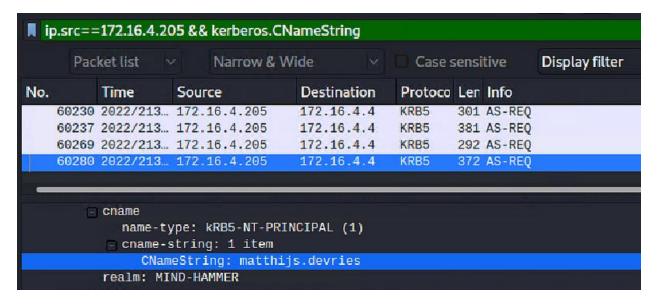


Vulnerable Windows Machine

- 1. Find the following information about the infected Windows machine:
- Host name ROTTERDAM-PC
- IP address 172.16.4.4
- MAC address 00:59:07:b0:63:a4



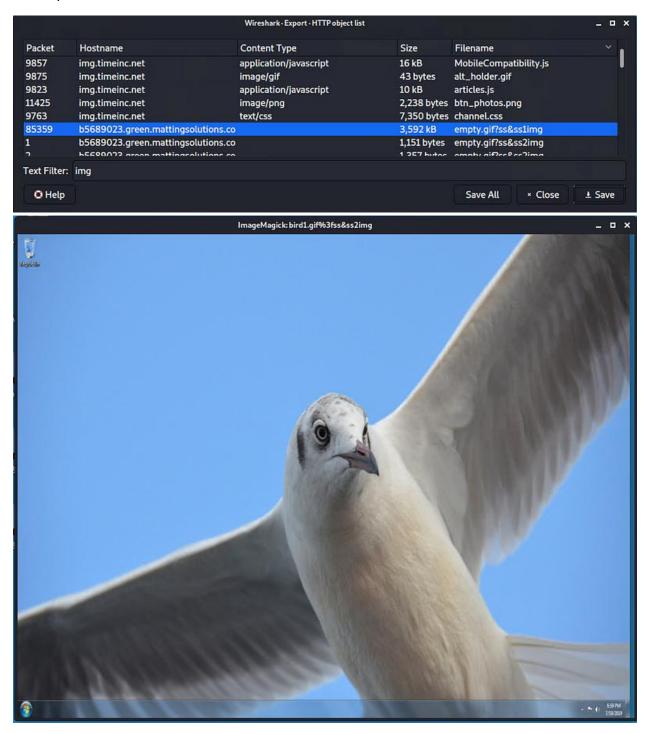
2. What is the username of the Windows user whose computer is infected?
This website offered a Windows user account from Kerberos
traffic https://unit42.paloaltonetworks.com/using-wireshark-identifying-hosts-and-users/
So, the username is: matthijs.devries



3. What are the IP addresses used in the actual infection traffic?

185.243.115.84

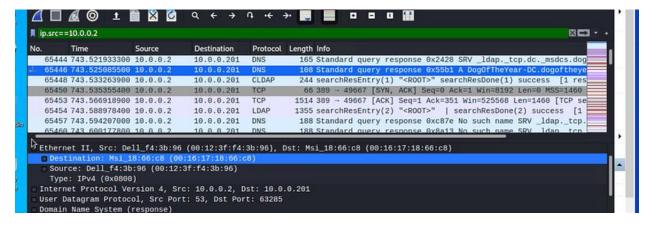
As a bonus, retrieve the desktop background of the Windows host. Hackertarget.com gives a cheetsheet on finding an image, There were only a few files that were worth considering because of the size of the files. This one actually looks like a screenshot of a desktop



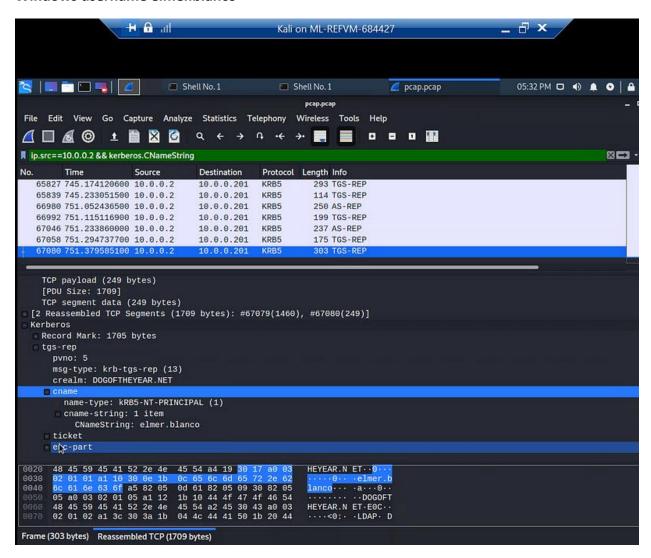
Illegal Downloads

Find the following information about the machine with IP address 10.0.0.201:

MAC address 00:16:16:18:66:c8



Windows username elmer.blanco



OS version Windows NT 10.0

```
Hypertext Transfer Protocol

GET /bt/btdownload.php?type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation.avi.torrent HTTP/1.1\r\n
Referer: http://publicdomaintorrents.info/nshowmovie.html?movieid=513\r\n
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282
Accept-Language: en-US\r\n
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
Upgrade-Insecure-Requests: 1\r\n
```

Which torrent file did the user

download? Betty_Boop_Rhythm_on_the_Reservation.avi.torrent

