Network Forensic Analysis Report

Time Thieves

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

1. What is the domain name of the users' custom site?

   Frank-n-Ted-DC.frank-n-ted.com

   Filter: ip.addr==10.6.12.0/24

2. What is the IP address of the Domain Controller (DC) of the AD network?

   IP address is 10.6.12.12 (Frank-n-Ted-DC.frank-n-ted.com)

   Filter: ip.addr==10.6.12.0/24

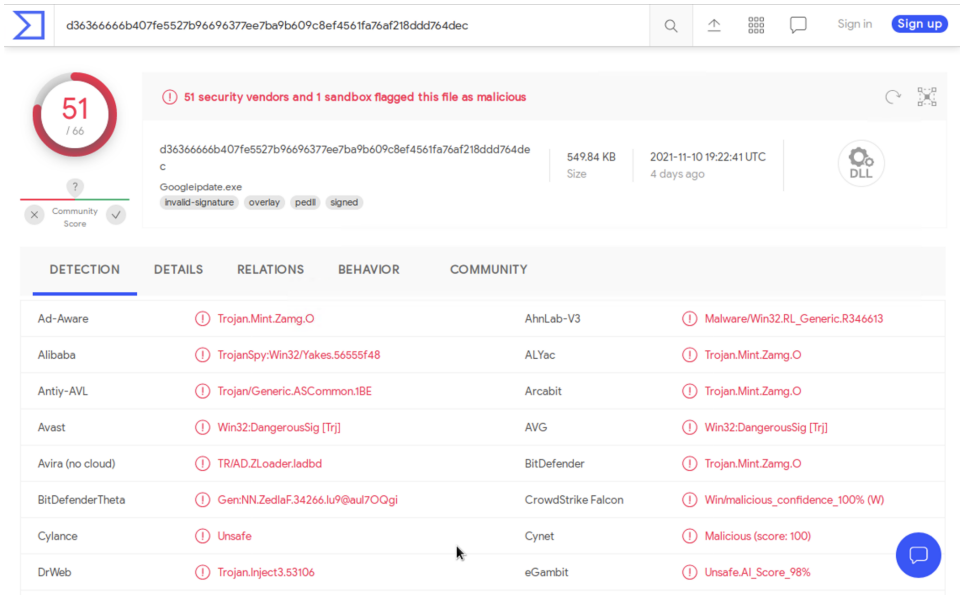
3. What is the name of the malware downloaded to the 10.6.12.203 machine?

   Malware file is june11.dll.

   Filter: ip.addr==10.16.12.203 and http.request.method==GET

   Export: File > Export Objects > HTTP

4. Upload the file to VirusTotal.com.



5. What kind of malware is this classified as?

   It was classified as a Trojan.

Vulnerable Windows Machine

1. Find the following information about the infected Windows machine:
    - Host name: Rotterdam-PC
    - IP address: 172.16.4.205
    - MAC address: 00:59:07:b0:63:a4

- Filter: ip.src==172.16.4.4 and kerberos.CNameString

2. What is the username of the Windows user whose computer is infected?
    - matthijs.devries

- Filter: ip.src==172.16.4.205 and kerberos.CNameString

3. What are the IP addresses used in the actual infection traffic?
    - 172.16.4.205, 185.243.115.84, 166.62.11.64 are the infected traffic

- Filter: ip.addr==172.16.4.205 and ip.addr==185.243.115.84

4. As a bonus, retrieve the desktop background of the Windows host.
    - Screenshot:

Illegal Downloads

1. Find the following information about the machine with IP address `10.0.0.201`:
    - MAC address: 00:16:17:18:66:c8
    - Windows username: elmer.blanco
    - OS version: windows NT 10.0; Win64; x64

- Filter: ip.src==10.0.0.201 and kerberos.CNameString

2. Which torrent file did the user download?
    - The torrent file is Betty_Boop_Rythm_on_the_Reservation.avi.torrent.

- Filter: ip.addr==10.0.0.201 and (http.request.uri contains ".torrent")