## **Network Forensic Analysis Report**

TODO Complete this report as you complete the Network Activity on Day 3 of class.

## **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.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? jun11.dll
  - Once you have found the file, export it to your Kali machine's desktop.
- 4. Upload the file to VirusTotal.com.
- 5. What kind of malware is this classified as? Trojan

```
Wireshark-Packet 10150-eth0 _ _ C

Length: 3
    Flags: 0x00
    A-RR result: 255
    PTR-RR result: 255
    Option: (3) Router
    Option: (6) Domain Name Server
    Length: 4
    Domain Name Server: 10.6.12.12
    Option: (15) Domain Name
    Length: 16
    Domain Name: frank-n-ted.com
    Option: (255) End
```

## **Vulnerable Windows Machine**

1. Find the following information about the infected Windows machine:

Host name: Rotterdam -PCIP address: 172.16.4.205

MAC address: 00:59:07:b0:63:a4

```
pvno: 5
          msq-type: krb-as-req (10)

→ padata: 1 item

           ▶ PA-DATA PA-PAC-REQUEST
       Padding: 0
           kdc-options: 40810010
           cname
                name-type: kRB5-NT-PRINCIPAL (1)
               realm: MIND-HAMMER.NET
              till: 2037-09-13 02:48:05 (UTC)
rtime: 2037-09-13 02:48:05 (UTC)
              nonce: 474621746
           ▶ etype: 6 items
           addresses: 1 item ROTTERDAM-PC<20>
       a4 ba db 19 49 50 00 59
                                       07 b0 63 a4 08 00 45 00
                                                                             · IP·Y · · c · · · E
       01 1b 00 40 40 00 80 06 98 ab ac 10 04 cd ac 10
                                                                         ...00....
0010
       04 04 c0 0b 00 58 a1 a1
                                        9e f4 c2 ab 91 d0 50 18
                                                                             . . X . . . . . . . . Р .
       01 00 9c 61 00 00 00 00 00 ef 6a 81 ec 30 81 e9 a1 03 02 01 05 a2 03 02 01 0a a3 15 30 13 30 11
                                                                         · · · a · · · · · · j · · 0 · ·
0050
       a1 04 02 02 00 80 a2 09 04 07 30 05 a0 03 01 01
                                                                         .....
0060 ff 44 81 c5 30 81 c2 a0 07 03 05 00 40 81 00 10 0070 a1 1a 30 18 a0 03 02 01 01 a1 11 30 0f 1b 0d 72 0080 6f 74 74 65 72 64 61 6d 2d 76 63 24 a2 11 1b 0f 0090 4d 49 4e 44 2d 48 41 4d 4d 45 52 2e 4e 45 54 a3
                                                                         otterdam -pc$----
MIND-HAM MER.NET-
```

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

```
No. Time Source Destination Protocol Lengtr CNameString V Info

3187 49.786544600 172.16.4.205 172.16.4.4 KRB5 297 rotterdam-pc$ AS-REQ

3195 49.803720100 172.16.4.205 172.16.4.4 KRB5 377 rotterdam-pc$ AS-REQ

3369 50.584361200 172.16.4.205 172.16.4.4 KRB5 301 ROTTERDAM-PC$ AS-REQ

3376 50.599992500 172.16.4.205 172.16.4.4 KRB5 381 ROTTERDAM-PC$ AS-REQ

3408 50.726684900 172.16.4.205 172.16.4.4 KRB5 381 ROTTERDAM-PC$ AS-REQ

3408 50.726684900 172.16.4.205 172.16.4.4 KRB5 382 ROTTERDAM-PC$ AS-REQ

3415 50.742235400 172.16.4.205 172.16.4.4 KRB5 372 matthijs.devries AS-REQ
```

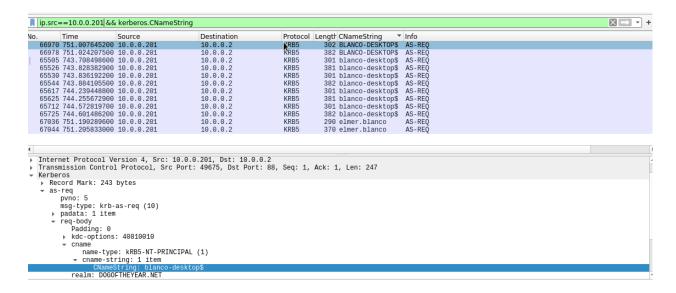
```
vas-req
pvno: 5
msg-type: krb-as-req (10)
padata: 2 items
veq-body
Padding: 0
kdc-options: 40810010
vname
name-type: kRB5-NT-PRINCIPAL (1)
vcname-string: 1 item
CNameString: matthijs.devries
realm: MIND-HAMMER
psname
till: 2037-09-13 02:48:05 (UTC)
rttme: 2037-09-13 02:48:05 (UTC)
nonce: 631265106
```

- 3. What are the IP addresses used in the actual infection traffic? 172.16.4.205, 185.243.115.84
- 4. As a bonus, retrieve the desktop background of the Windows host.

## **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: BLANCO-DESKTOP



2. Which torrent file did the user download?

Betty\_Boop\_Rhythm\_on\_the\_Reservation.avi.to