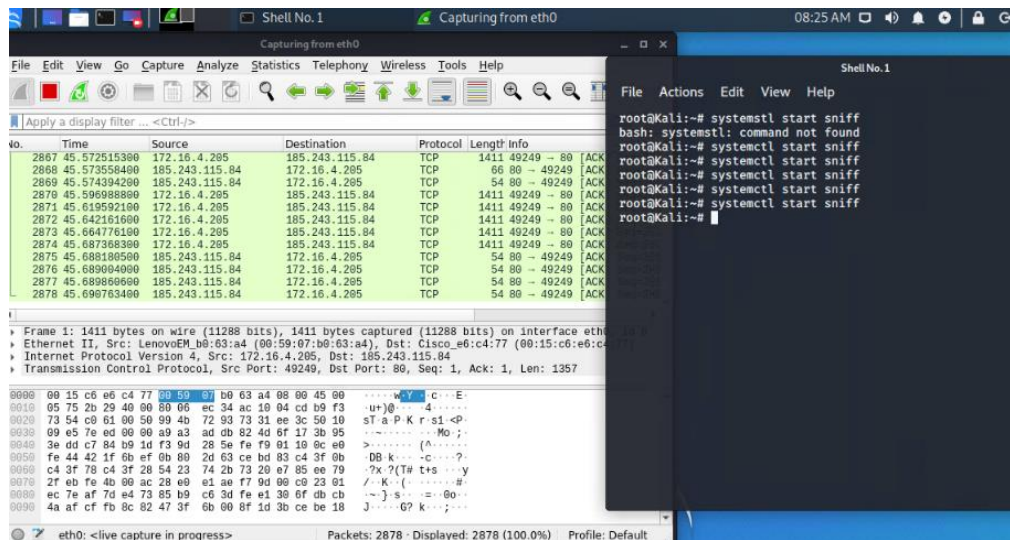


Final Project

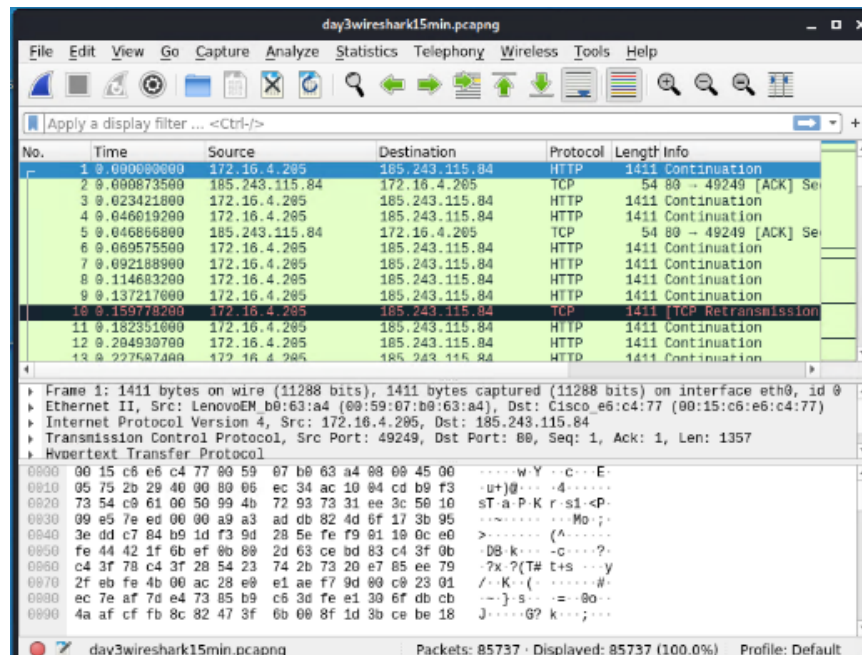
Network Forensic Analysis Report (Network Template)

Opened a terminal window and run the command `systemctl start sniff`

Then Launched Wireshark and captured traffic on the `eth0` interface.

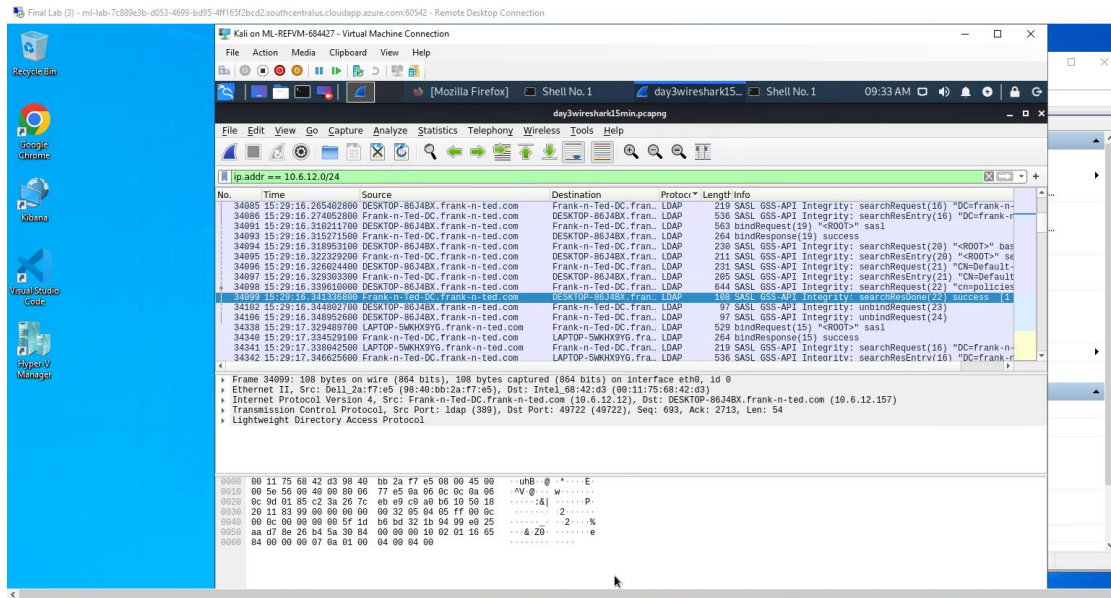


After 15 minutes run the command `systemctl stop sniff` to stop:



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

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



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

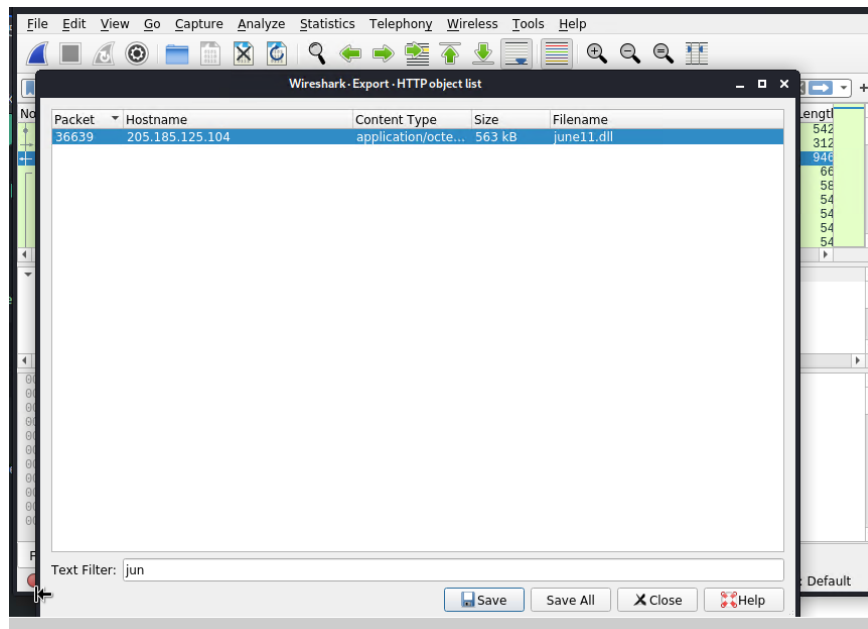
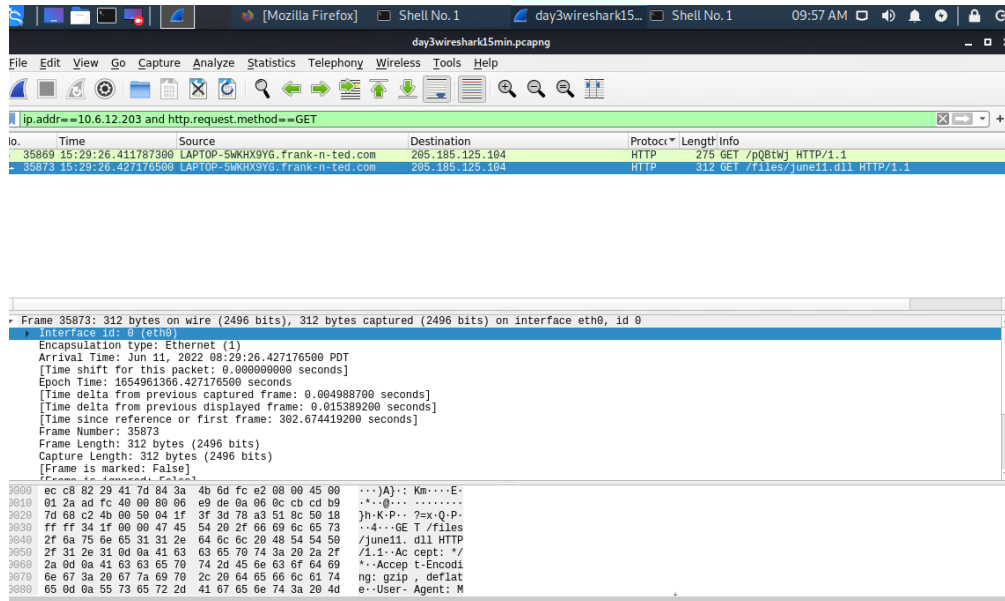
10.6.12.157

Frank-n-Ted-DC.frank-n-ted.com	DESKTOP-86J4BX.frank-n-ted.com	LDAP	205 SASL GSS-API Integrity: searchResEntry(21) "CN=Default
DESKTOP-86J4BX.frank-n-ted.com	Frank-n-Ted-DC.frank-n-ted.com	LDAP	644 SASL GSS-API Integrity: searchRequest(22) "cn=policies
Frank-n-Ted-DC.frank-n-ted.com	DESKTOP-86J4BX.frank-n-ted.com	LDAP	108 SASL GSS-API Integrity: searchResDone(22) success [1
DESKTOP-86J4BX.frank-n-ted.com	Frank-n-Ted-DC.frank-n-ted.com	LDAP	97 SASL GSS-API Integrity: unbindRequest(23)
DESKTOP-86J4BX.frank-n-ted.com	Frank-n-Ted-DC.frank-n-ted.com	LDAP	97 SASL GSS-API Integrity: unbindRequest(24)
LAPTOP-5WKHX9YG.frank-n-ted.com	Frank-n-Ted-DC.frank-n-ted.com	LDAP	529 bindRequest(15) "<ROOT>" sasl
Frank-n-Ted-DC.frank-n-ted.com	LAPTOP-5WKHX9YG.frank-n-ted.com	LDAP	264 bindResponse(15) success
LAPTOP-5WKHX9YG.frank-n-ted.com	Frank-n-Ted-DC.frank-n-ted.com	LDAP	219 SASL GSS-API Integrity: searchRequest(16) "DC=frank-n-
Frank-n-Ted-DC.frank-n-ted.com	LAPTOP-5WKHX9YG.frank-n-ted.com	LDAP	536 SASL GSS-API Integrity: searchResEntry(16) "DC=frank-n-

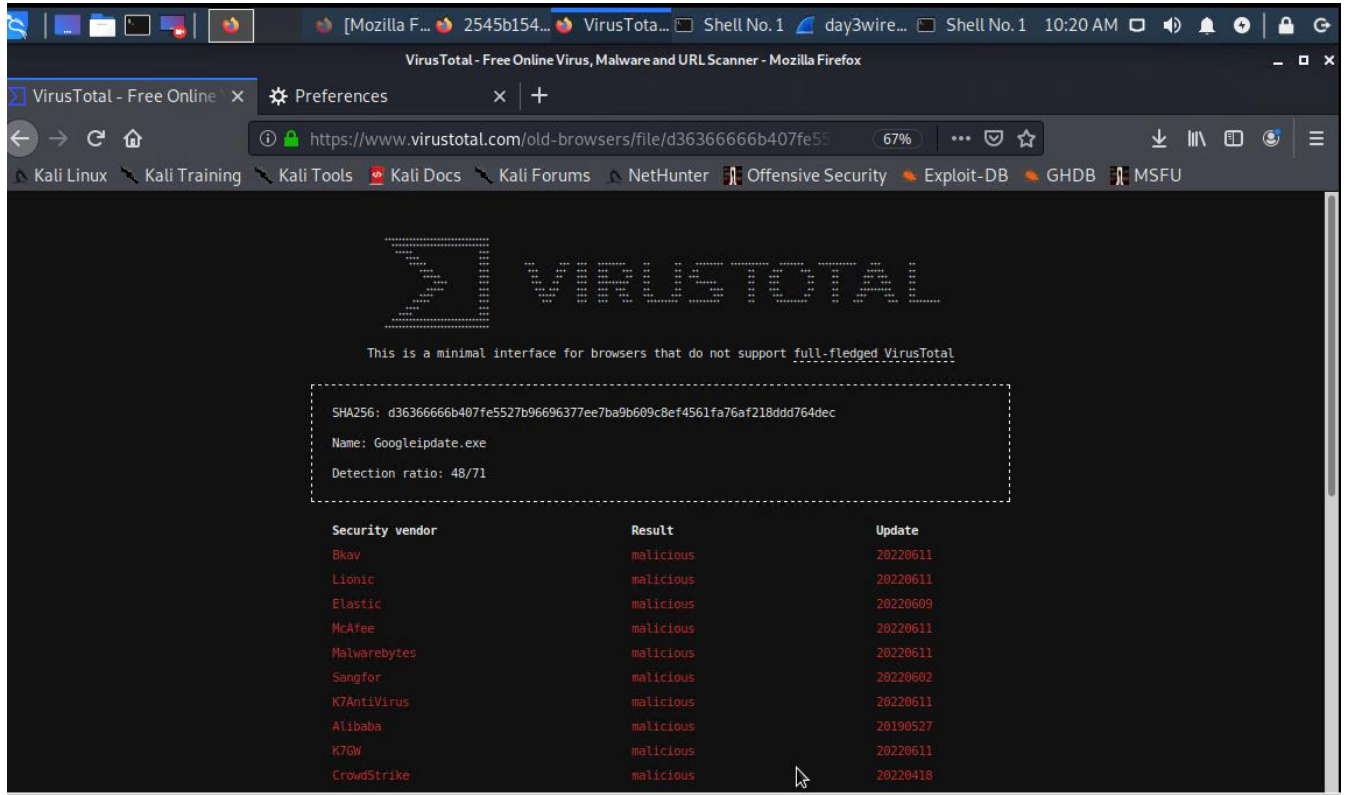
1 wire (864 bits), 108 bytes captured (864 bits) on interface eth0, id 0
1: f7:e5 (98:40:bb:2a:f7:e5), Dst: Intel_68:42:d3 (08:11:75:68:42:d3)
1: 4, Src: Frank-n-Ted-DC.frank-n-ted.com (10.6.12.12), Dst: DESKTOP-86J4BX.frank-n-ted.com (10.6.12.157)
:ocol, Src Port: ldap (389), Dst Port: 49722 (49722), Seq: 693, Ack: 2713, Len: 54
:ess Protocol

3. What is the name of the malware downloaded to the 10.6.12.203 machine? Once you have found the file, export it to your Kali machine's desktop.

June11.dll



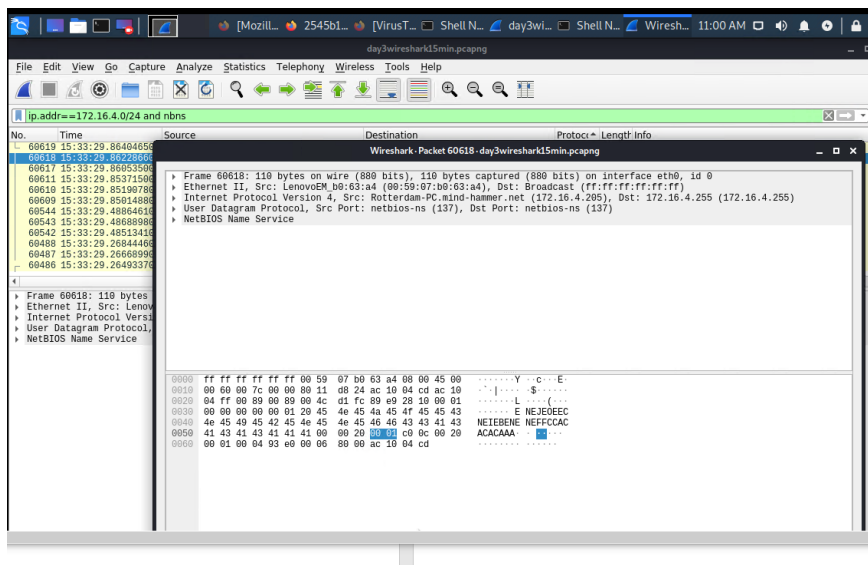
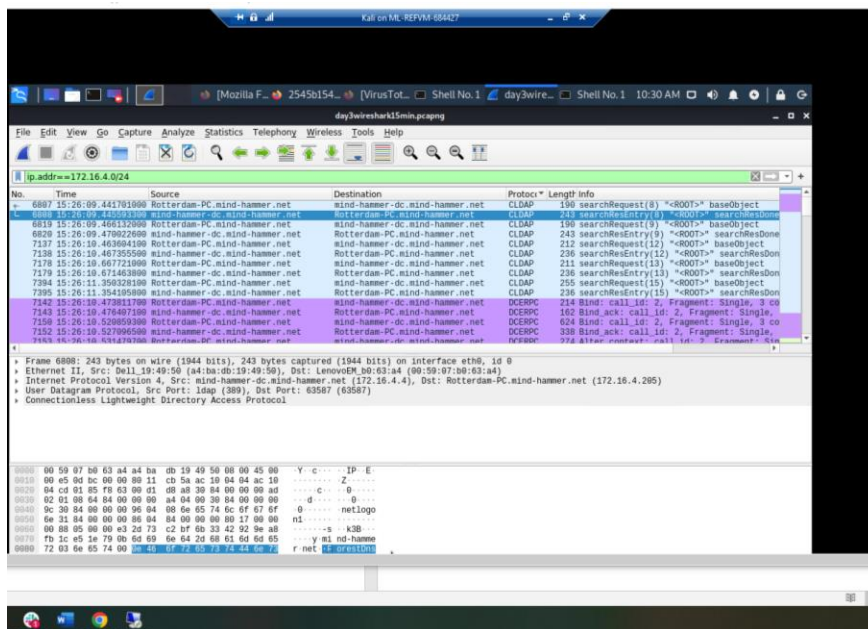
- # Googleipdate.exe

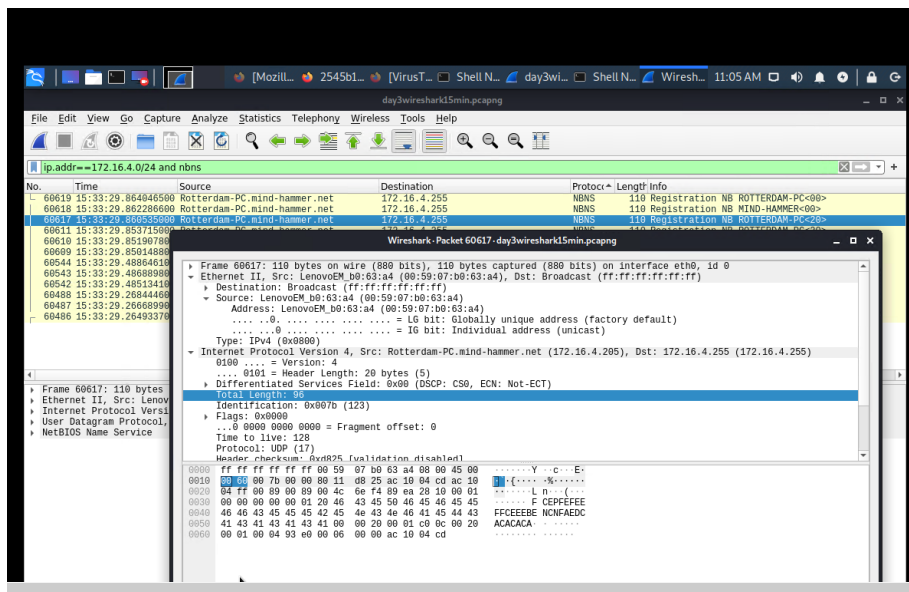


Vulnerable windows Machines

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

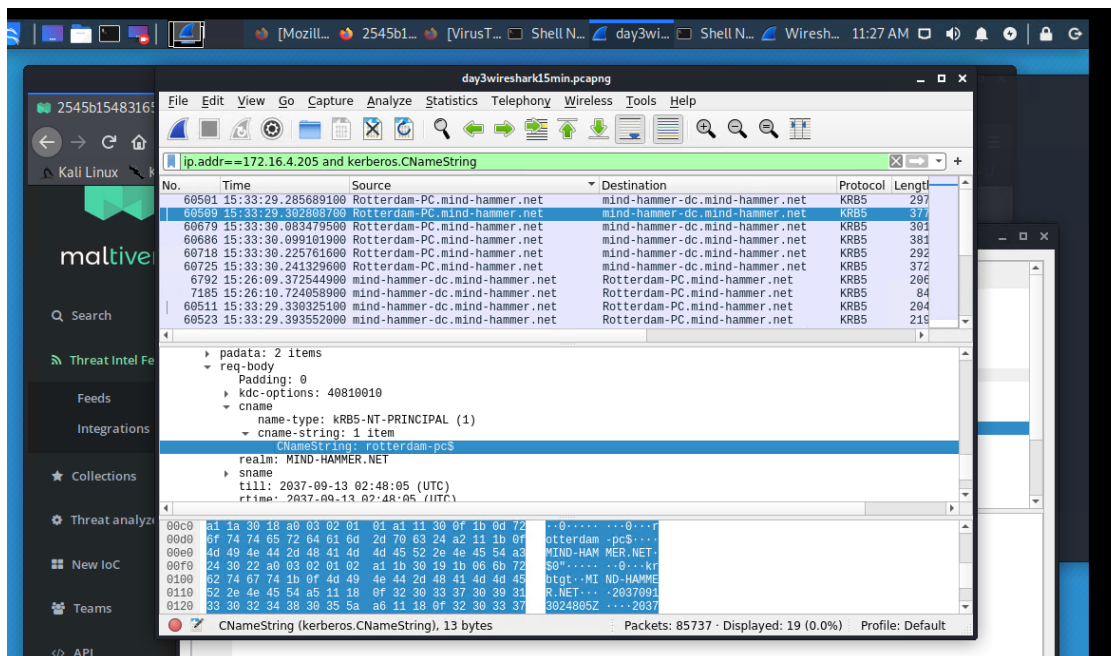
- Host name: Rotterdam-pc.mindhammer.net
- IP address: 172.16.4.205
- MAC address: 00:59:07:b0:63:a4





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

Rotterdam-pc\$



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

166.62.111.64

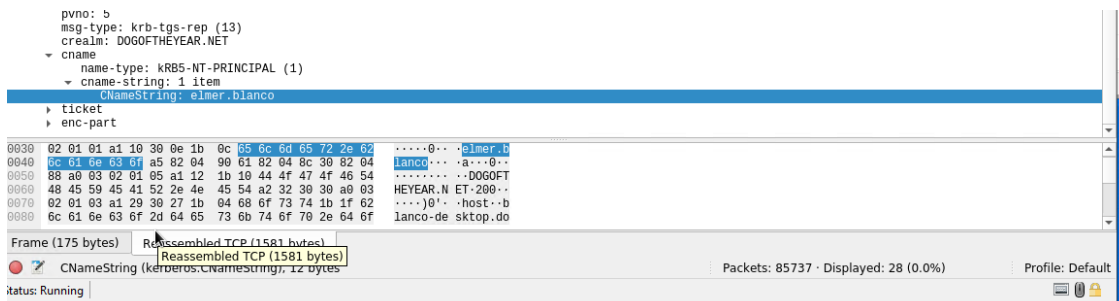
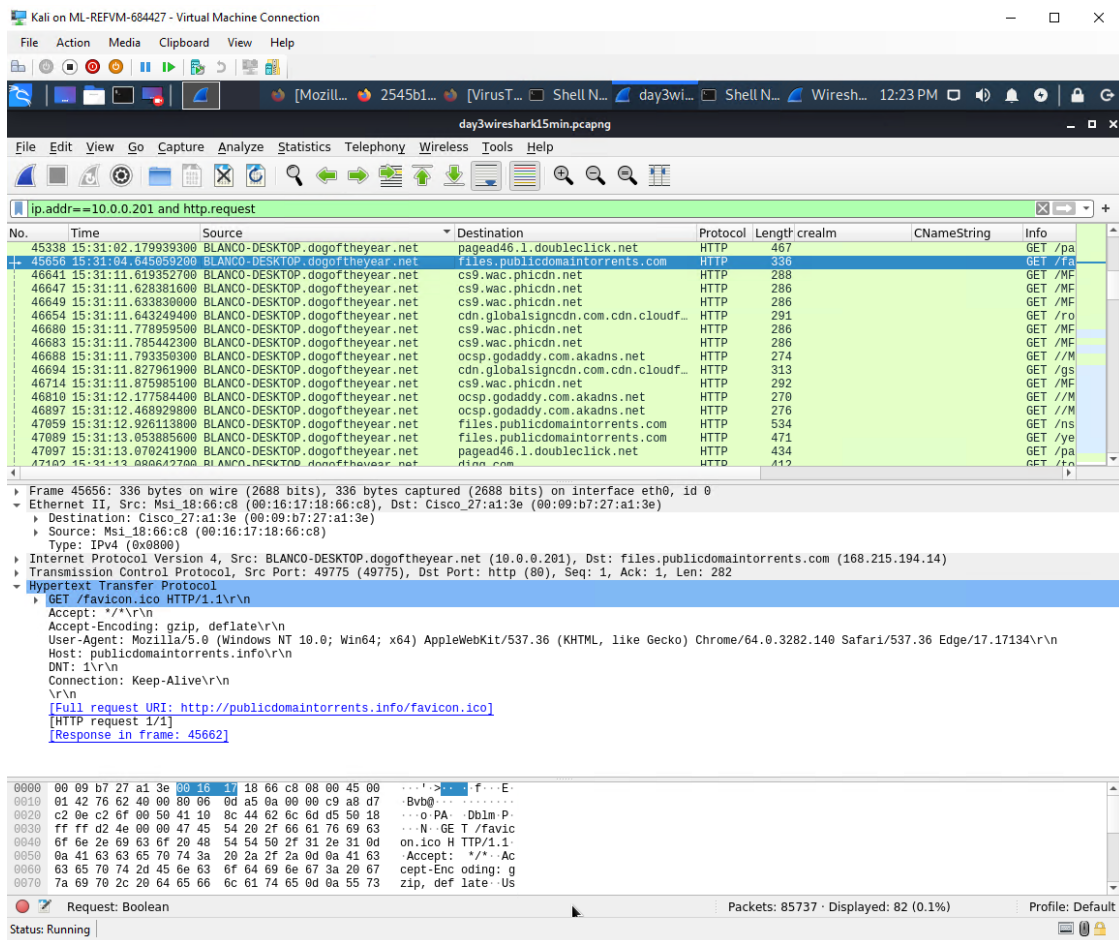
The screenshot displays a Kali Linux virtual machine environment. The main window shows a Wireshark network capture of traffic on interface eth0. The packet list at the top shows a series of HTTP GET requests from 10.0.0.24 to various destinations. The selected packet (No. 4789) is a GET request to 10.0.0.24. The packet details pane shows the following structure:

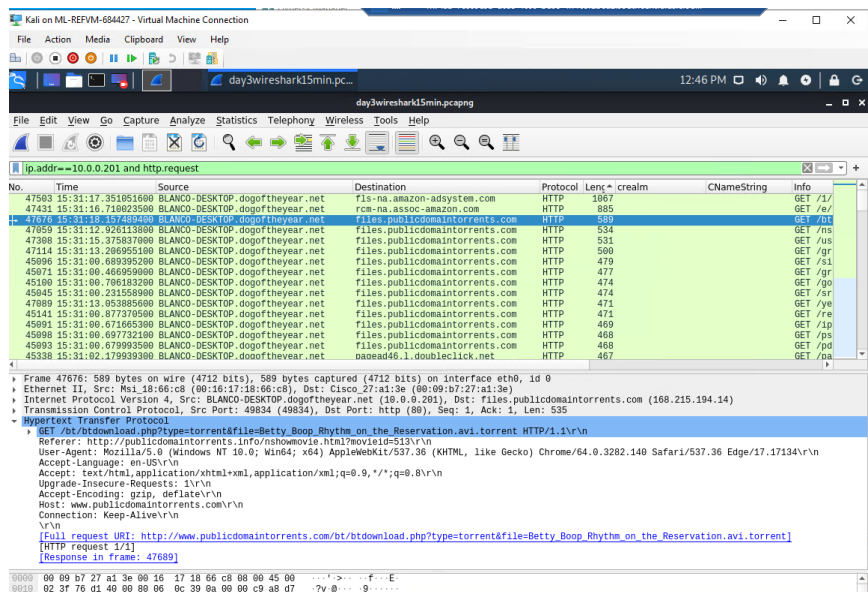
- Frame 4789: 471 bytes on wire (3768 bits), 471 bytes captured (3768 bits) on interface eth0, id 0
- Ethernet II, Src: Mui-18-66-c8 (08:10:17:18:66:c8), Dst: Cisco_27-a1-3e (08:00:b7:27:a1:3e)
- Address: Cisco_27-a1:3e (08:00:b7:27:a1:3e)
- Source: Mui-18-66-c8 (08:10:17:18:66:c8)
- Type: IPv4 (8x8000)
- Internet Protocol Version 4, Src Port: 49816, Dst Port: http (80), Seq: 1, Len: 411
- Hypertext Transfer Protocol

The packet bytes pane at the bottom shows the raw data of the packet, including the IP header and the HTTP request line.

Illegal Downloads

- 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





2. Which torrent file did the user download?

Betty_Boop_Rhythm_On_The_Reservation.avi.torrent

