

Final Engagement

Attack, Defense & Analysis of a Vulnerable Network

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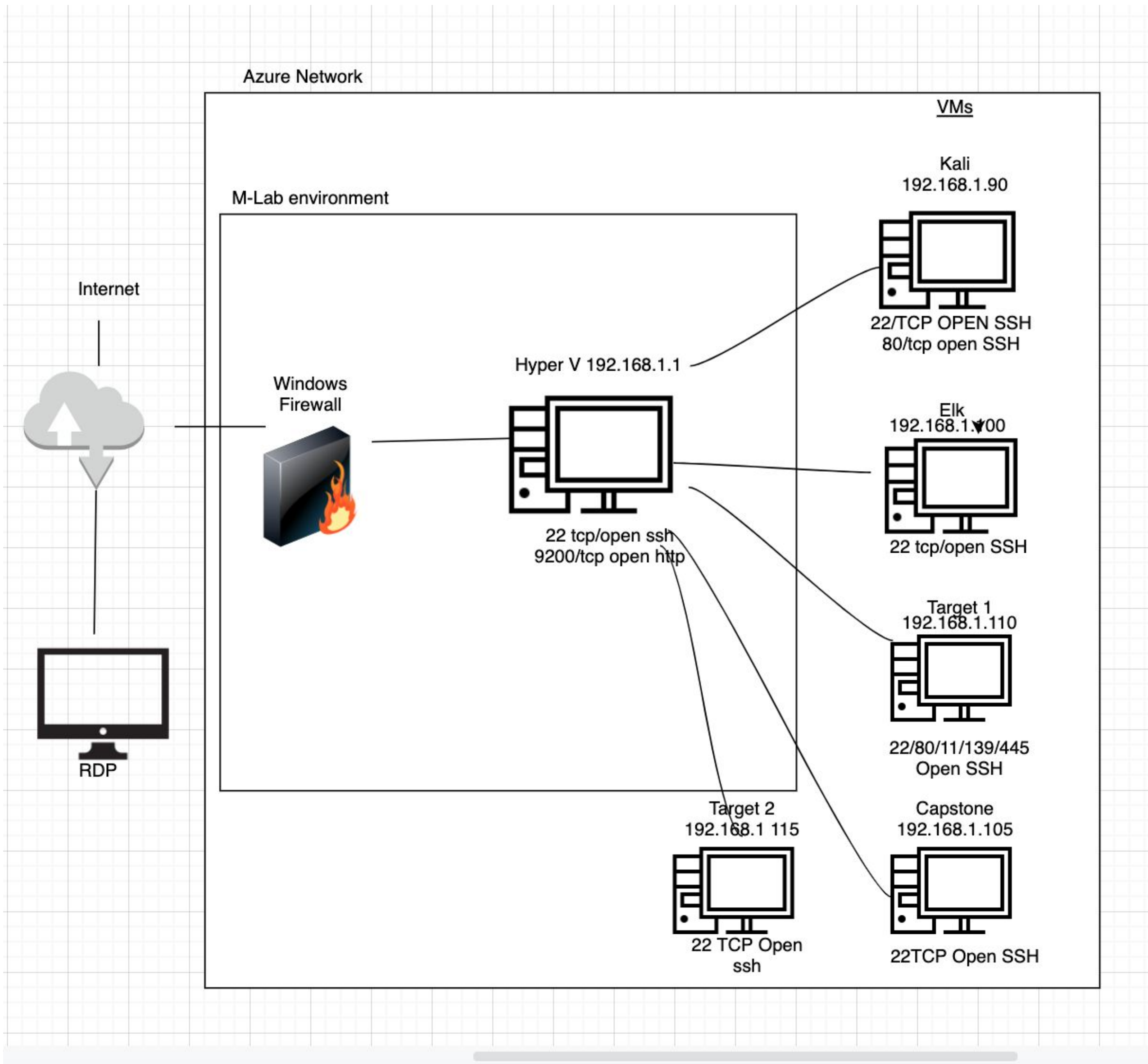
Normal Activity



Malicious Activity

Network Topology & Critical Vulnerabilities

Network Topology



Network

Address Range:
192.168.1.0/24
Netmask: 255.255.240.0
Gateway: 10.0.0.1

Machines

IPv4: 192.168.1.90
OS: Kali Linux
Hostname: Kali

IPv4: 192.168.1.100
OS: Linux
Hostname: Elk

IPv4: 192.168.1.105
OS: Linux
Hostname: Capstone

IPv4: 192.168.1.110
OS: Linux (WordPress)
Hostname: Target 1

IPv4: 192.168.1.115
OS: Linux
Hostname: Target 2

Critical Vulnerabilities: Target 1

Our assessment uncovered the following critical vulnerabilities in **Target 1**.

Vulnerability	Description	Impact
Weak Password Policy	The company’s password policy allowed users to have passwords that were not complex and easily guessed, even without brute force tools.	This vulnerability allowed the attackers to easily guess user Michael’s password and access his account. This weakness also allowed the attackers to easily escalate their privileges because the password for root access was easily broken/guessed.
Open ports that do not need to be opened	Target 1 had numerous ports opened, specifically port 22 for SSH.	Having this port open and not filtered allowed the attackers the ability to use a broken password to SSH into the target’s system.
Sensitive Information Exposure/Poor Access Management	Sensitive configuration files were not secure and had improper access controls.	This vulnerability allowed the attackers to access the company’s database and steal their users’ password hashes, which were later cracked to gain deeper access.
wpscan vulnerability	Utilizing wpscan to easily discover vulnerabilities in the target’s wordpress server.	This scan allowed the attackers to easily identify usernames of the target company, and this allowed the attackers to target these specific users to break their passwords and gain access.

Traffic Profile

Traffic Profile

Our analysis identified the following characteristics of the traffic on the network:

Feature	Value	Description
Top Talkers (IP Addresses)	185.243.115.84 172.16.4.205	Machines that sent the most traffic.
Most Common Protocols	TCP HTTP DHCP Kerberos	Four of the most common protocols on the network.
# of Unique IP Addresses	879	Count of observed IP addresses.
Subnets	192.168.1.0/24	Observed subnet ranges.
# of Malware Species	55	Number of malware binaries identified in traffic.

Behavioral Analysis

Purpose of Traffic on the Network

Users were observed engaging in the following kinds of activity.

“Normal” Activity

- Online shopping
- Normal website traffic and browsing

Suspicious Activity

- Set up a private web server on the company’s corporate network to steal company time undetected and then downloaded malware using this private server.
- Torrenting/downloading inappropriate/copyrighted content



Normal Activity

[Online Shopping]

- User was shopping online
- Protocols: HTTP

The image displays a Wireshark packet capture interface. The top pane shows a list of network packets. The middle pane shows the details of the selected packet (No. 56944), which is an HTTP GET request for /logs/invoice-86495.doc. The bottom pane shows the raw packet data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info
56944	2021-04-10 08:01:17.827002200	DESKTOP-86J4BX.fra...	cardboardspacestoy...	HTTP	513	GET /logs/invoice-86495.doc HTTP/1.1
57971	2021-04-10 08:01:24.121599200	LAPTOP-5WKHX9YG.fra...	205.185.125.104	HTTP	275	GET /pQBtWj HTTP/1.1
57975	2021-04-10 08:01:24.136990400	LAPTOP-5WKHX9YG.fra...	205.185.125.104	HTTP	312	GET /files/june11.dll HTTP/1.1

Details of packet 56944 (GET /logs/invoice-86495.doc HTTP/1.1):

- Host: cardboardspacestoy.com
- Connection: keep-alive
- Upgrade-Insecure-Requests: 1
- User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.97 Safari/537.36 Edg/83.0.478.45
- Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
- Accept-Encoding: gzip, deflate
- Accept-Language: en

Full request URI: http://cardboardspacestoy.com/logs/invoice-86495.doc

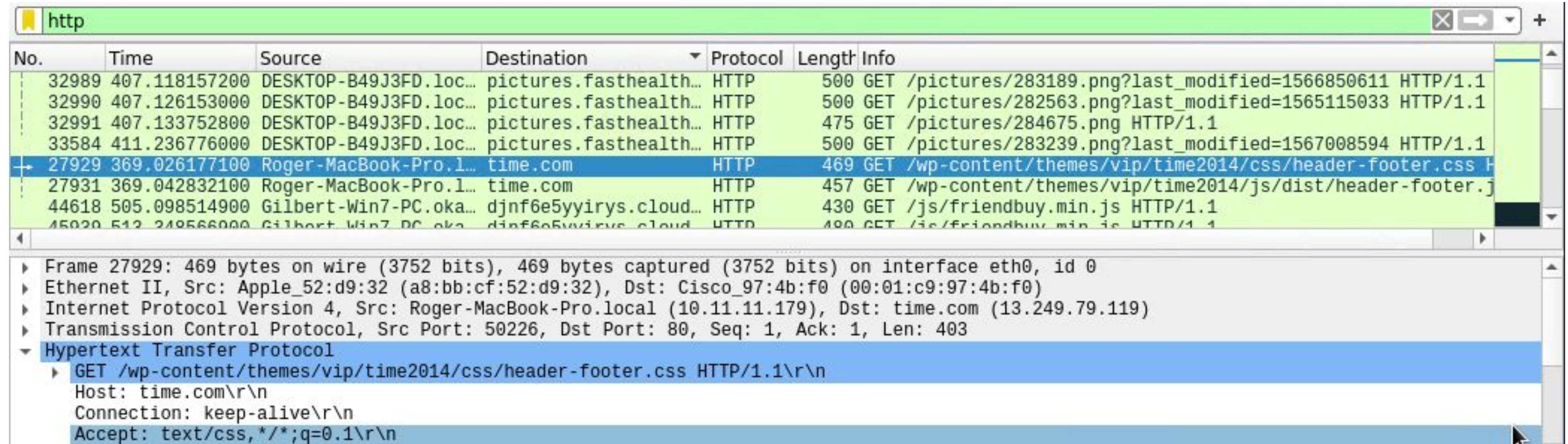
Raw packet data (Frame 55443):

```
55443 638.738850500 Gilbert-Win7-PC.oka... www.vinylmeplease.c... HTTP 502 GET /magazine/guide-to-flattening-warped-vinyl-records/ HTTP/1.1
55536 639.432034900 Gilbert-Win7-PC.oka... www.vinylmeplease.c... HTTP 547 GET /static/style.f795fa8febec.css HTTP/1.1
55562 639.684805100 Gilbert-Win7-PC.oka... www.vinylmeplease.c... HTTP 572 GET /static/of1.browser.293d64b6588f.js HTTP/1.1
```

Frame 55443: 502 bytes on wire (4016 bits), 502 bytes captured (4016 bits) on interface eth0, id 0
Ethernet II, Src: Dell_8a:50:a9 (84:8f:69:8a:50:a9), Dst: Cisco_97:4b:f0 (00:01:c9:97:4b:f0)
Internet Protocol Version 4, Src: Gilbert-Win7-PC.okay-boomer.info (10.11.11.200), Dst: www.vinylmeplease.com (13.33.255.37)
Transmission Control Protocol, Src Port: 49198, Dst Port: 80, Seq: 1, Ack: 1, Len: 448
Source Port: 49198
Destination Port: 80
[Stream index: 535]
[TCP Segment Len: 448]
Sequence number: 1 (relative sequence number)
Sequence number (raw): 34585423
[Next sequence number: 449 (relative sequence number)]
Acknowledgment number: 1 (relative ack number)
Acknowledgment number (raw): 406659448
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 259

[Watching Website Traffic and browsing]

- Normal website browsing traffic observed such as time.com and sabethahospital.com
- Protocol: HTTP

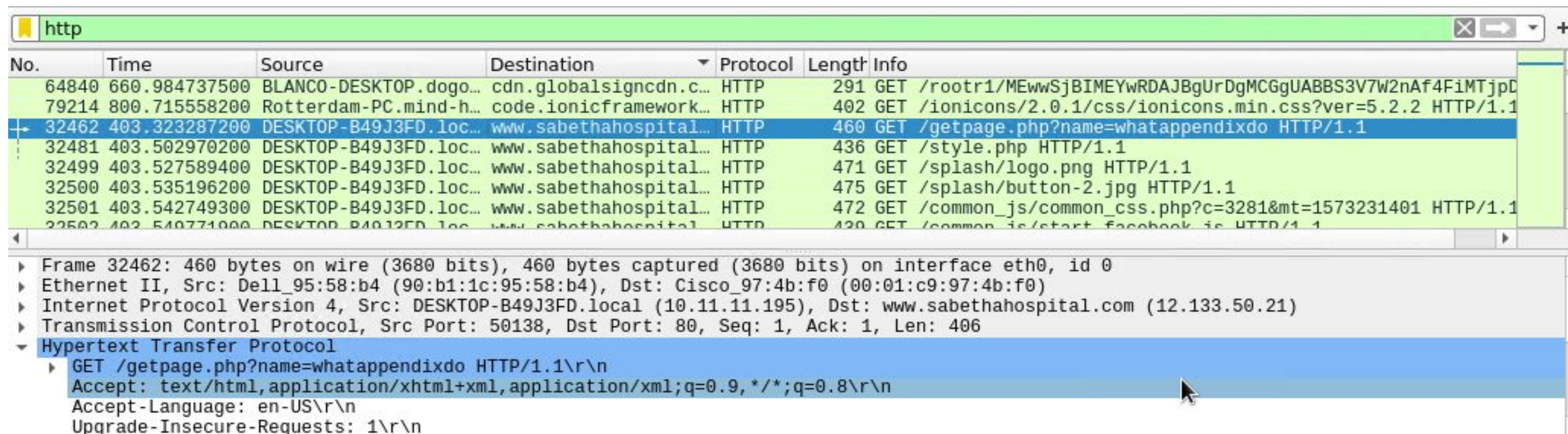


The image shows a Wireshark packet capture window titled 'http'. The packet list on the left shows several HTTP GET requests to 'time.com'. The selected packet (No. 27929) is expanded, showing the Hypertext Transfer Protocol details. The packet is a GET request for a CSS file from Roger-MacBook-Pro.local to time.com.

No.	Time	Source	Destination	Protocol	Length	Info
32989	407.118157200	DESKTOP-B49J3FD.loc...	pictures.fasthealth...	HTTP	500	GET /pictures/283189.png?last_modified=1566850611 HTTP/1.1
32990	407.126153000	DESKTOP-B49J3FD.loc...	pictures.fasthealth...	HTTP	500	GET /pictures/282563.png?last_modified=1565115033 HTTP/1.1
32991	407.133752800	DESKTOP-B49J3FD.loc...	pictures.fasthealth...	HTTP	475	GET /pictures/284675.png HTTP/1.1
33584	411.236776000	DESKTOP-B49J3FD.loc...	pictures.fasthealth...	HTTP	500	GET /pictures/283239.png?last_modified=1567008594 HTTP/1.1
27929	369.026177100	Roger-MacBook-Pro.l...	time.com	HTTP	469	GET /wp-content/themes/vip/time2014/css/header-footer.css HTTP/1.1
27931	369.042832100	Roger-MacBook-Pro.l...	time.com	HTTP	457	GET /wp-content/themes/vip/time2014/js/dist/header-footer.j
44618	505.098514900	Gilbert-Win7-PC.oka...	djnf6e5yyirys.cloud...	HTTP	430	GET /js/friendbuy.min.js HTTP/1.1
45020	512.248566000	Gilbert-Win7-PC.oka...	djnf6e5yyirys.cloud...	HTTP	480	GET /js/friendbuy.min.js HTTP/1.1

Frame 27929: 469 bytes on wire (3752 bits), 469 bytes captured (3752 bits) on interface eth0, id 0

- Ethernet II, Src: Apple_52:d9:32 (a8:bb:cf:52:d9:32), Dst: Cisco_97:4b:f0 (00:01:c9:97:4b:f0)
- Internet Protocol Version 4, Src: Roger-MacBook-Pro.local (10.11.11.179), Dst: time.com (13.249.79.119)
- Transmission Control Protocol, Src Port: 50226, Dst Port: 80, Seq: 1, Ack: 1, Len: 403
- Hypertext Transfer Protocol
 - GET /wp-content/themes/vip/time2014/css/header-footer.css HTTP/1.1\r\n
 - Host: time.com\r\n
 - Connection: keep-alive\r\n
 - Accept: text/css,*/*;q=0.1\r\n



The image shows a Wireshark packet capture window titled 'http'. The packet list on the left shows several HTTP GET requests to 'www.sabethahospital.com'. The selected packet (No. 32462) is expanded, showing the Hypertext Transfer Protocol details. The packet is a GET request for a PHP page from DESKTOP-B49J3FD.local to www.sabethahospital.com.

No.	Time	Source	Destination	Protocol	Length	Info
64840	660.984737500	BLANCO-DESKTOP.dogo...	cdn.globalsigncdn.c...	HTTP	291	GET /rootr1/MEwwSjBIMEYwRDAJBgUrDgMCGGUABBS3V7W2nAf4FiMTjpD
79214	800.715558200	Rotterdam-PC.mind-h...	code.ionicframework...	HTTP	402	GET /ionicons/2.0.1/css/ionicons.min.css?ver=5.2.2 HTTP/1.1
32462	403.323287200	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	460	GET /getpage.php?name=whatappendixdo HTTP/1.1
32481	403.502970200	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	436	GET /style.php HTTP/1.1
32499	403.527589400	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	471	GET /splash/logo.png HTTP/1.1
32500	403.535196200	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	475	GET /splash/button-2.jpg HTTP/1.1
32501	403.542749300	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	472	GET /common_js/common_css.php?c=3281&mt=1573231401 HTTP/1.1
32502	403.540771000	DESKTOP-B49J3FD.loc...	www.sabethahospital...	HTTP	420	GET /common_js/start_facebook.js HTTP/1.1

Frame 32462: 460 bytes on wire (3680 bits), 460 bytes captured (3680 bits) on interface eth0, id 0

- Ethernet II, Src: Dell_95:58:b4 (90:b1:1c:95:58:b4), Dst: Cisco_97:4b:f0 (00:01:c9:97:4b:f0)
- Internet Protocol Version 4, Src: DESKTOP-B49J3FD.local (10.11.11.195), Dst: www.sabethahospital.com (12.133.50.21)
- Transmission Control Protocol, Src Port: 50138, Dst Port: 80, Seq: 1, Ack: 1, Len: 406
- Hypertext Transfer Protocol
 - GET /getpage.php?name=whatappendixdo HTTP/1.1\r\n
 - Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
 - Accept-Language: en-US\r\n
 - Upgrade-Insecure-Requests: 1\r\n

Malicious Activity

Stealing Company Time and Downloading Malware

- Created a private web server on the corporate network named frank-n-ted.com.
- Protocols observed: DHCP, HTTP, and TCP
- June11.dll** trojan file was downloaded to the computer that accessed Frank-n-Ted.com, IP address 10.6.12.203, from the source IP 205.185.125.104.

Wireshark · Follow TCP Stream (tcp.stream eq 693) · final_project.pcapng

GET /pQBtWj HTTP/1.1
Accept: /*/*
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 10.0; WOW64; Trident/7.0; .NET4.0C; .NET4.0E)
Host: 205.185.125.104
Connection: Keep-Alive

HTTP/1.1 302 Found
Server: nginx
Date: Fri, 12 Jun 2020 17:15:19 GMT
Content-Type: text/html; charset=UTF-8
Content-Length: 0
Connection: keep-alive
Cache-Control: no-cache, no-store, must-revalidate, post-check=0, pre-check=0
Expires: 0
Last-Modified: Fri, 12 Jun 2020 17:15:19 GMT
Location: http://205.185.125.104/files/june11.dll
Pragma: no-cache
Set-Cookie: _subid=3mmhfnd8jp; Expires=Monday, 13-Jul-2020 17:15:19 GMT; Max-Age=2678400; Path=/
Access-Control-Allow-Origin: *

GET /files/june11.dll HTTP/1.1
Accept: /*/*
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 10.0; WOW64; Trident/7.0; .NET4.0C; .NET4.0E)
Host: 205.185.125.104
Connection: Keep-Alive
Cookie: _subid=3mmhfnd8jp

HTTP/1.1 200 OK
Server: nginx
Date: Fri, 12 Jun 2020 17:15:19 GMT
Content-Type: application/octet-stream
Content-Length: 563032
Last-Modified: Thu, 11 Jun 2020 22:34:56 GMT
Connection: keep-alive
ETag: "5ee2b190-89758"
X-Content-Type-Options: nosniff
Accept-Ranges: bytes

MZ.....@.....!...L!This program cannot be run in DOS mode.

No.	Time	Source	Destination	Protocol	Length	Info
18791	260.450418000	Rotterdam-PC.mind-h...	255.255.255.255	DHCP	342	DHCP Inform
26953	385.826173900	mind-hammer-dc.mind...	Rotterdam-PC.mind-h...	DHCP	342	DHCP ACK
26958	385.835489300	Rotterdam-PC.mind-h...	255.255.255.255	DHCP	342	DHCP Inform
52508	565.462559800	0.0.0.0	255.255.255.255	DHCP	378	DHCP Request
52509	565.468176100	Frank-n-Ted-DC.fran...	255.255.255.255	DHCP	351	DHCP ACK
53258	568.749301200	0.0.0.0	255.255.255.255	DHCP	380	DHCP Request
53259	568.754754000	Frank-n-Ted-DC.fran...	255.255.255.255	DHCP	342	DHCP NAK
62215	667.024562200	0.0.0.0	255.255.255.255	DHCP	270	DHCP Request

[Coloring Rule String: udp]
Ethernet II, Src: Dell_2a:f7:e5 (98:40:bb:2a:f7:e5), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Destination: Broadcast (ff:ff:ff:ff:ff:ff)
Source: Dell_2a:f7:e5 (98:40:bb:2a:f7:e5)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: Frank-n-Ted-DC.frank-n-ted.com (10.6.12.12), Dst: 255.255.255.255
User Datagram Protocol, Src Port: 67, Dst Port: 68
Dynamic Host Configuration Protocol (ACK)

ip.src==10.6.12.12

No.	Time	Source	Destination	Protocol	Length	Info
50501	538.179514100	Frank-n-Ted-DC.fran...	255.255.255.255	DHCP	351	DHCP ACK - Transaction ID 0xba8bd7f0
50511	538.191984400	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	DNS	162	Standard query response 0x9c26 SRV _ldap._tcp.dc._m
50513	538.195124500	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	DNS	106	Standard query response 0x838c A frank-n-ted-dc.fra
50515	538.203138800	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	CLDAP	236	searchResEntry(1) "<ROOT>" searchResDone(1) success
50517	538.205233800	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	TCP	66	389 → 49668 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0
50520	538.236821300	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	TCP	1514	389 → 49668 [ACK] Seq=1 Ack=351 Win=2102272 Len=146
50521	538.258998600	Frank-n-Ted-DC.fran...	DESKTOP-86J4BX.fran...	LDAP	1386	searchResEntry(2) "<ROOT>" searchResDone(2) succ
50524	538.262422400	Frank-n-Ted-DC.fran...	dns.google	DNS	87	Standard query 0xa09b A dns.google.com QID
50526	538.262422400	Frank-n-Ted-DC.fran...	dns.google	DNS	87	Standard query 0xa09b A dns.google.com QID

ip.src==10.6.12.203 && http

No.	Time	Source	Destination	Protocol	Length	Info
54124	555.753264200	LAPTOP-5WKHX9YG.fra...	205.185.125.104	HTTP	275	GET /pQBtWj HTTP/1.1
54128	555.771416200	LAPTOP-5WKHX9YG.fra...	205.185.125.104	HTTP	312	GET /files/june11.dll HTTP/1.1
55184	567.035956500	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	713	POST /post.php HTTP/1.1
55193	567.061221900	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	749	POST /post.php HTTP/1.1
55708	573.361963800	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	646	POST /post.php HTTP/1.1
55709	573.371321700	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	584	POST /post.php HTTP/1.1
55714	573.384065800	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	579	POST /post.php HTTP/1.1
55721	573.428221600	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	705	POST /post.php HTTP/1.1
55726	573.442105000	LAPTOP-5WKHX9YG.fra...	snnmnkxdhflwgthqism...	HTTP	640	POST /post.php HTTP/1.1

Frame 54128: 312 bytes on wire (2496 bits), 312 bytes captured (2496 bits) on interface eth0, id 0
Ethernet II, Src: IntelCor_6d:fc:e2 (84:3a:4b:6d:fc:e2), Dst: Cisco 29:41:7d (ec:c8:82:29:41:7d)
Internet Protocol Version 4, Src: LAPTOP-5WKHX9YG.frank-n-ted.com (10.6.12.203), Dst: 205.185.125.104 (205.185.125.104)
Transmission Control Protocol, Src Port: 49739, Dst Port: 80, Seq: 222, Ack: 489, Len: 258
Hypertext Transfer Protocol
GET /files/june11.dll HTTP/1.1\r\n
Accept: /*/*\r\n
Accept-Encoding: gzip, deflate\r\n
User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 10.0; WOW64; Trident/7.0; .NET4.0C; .NET4.0E)\r\n
Host: 205.185.125.104\r\n

Stealing Company Time and Downloading Malware

55

/ 69

55 security vendors flagged this file as malicious

d3636666b407fe5527b96696377ee7ba9b609c8ef4561fa76af218ddd764dec

549.84 KB

2021-03-01 06:02:44 UTC

Google update

invalid-signature overlay pedll signed

DETECTION

DETAILS

RELATIONS

BEHAVIOR

COMMUNITY 2

Ad-Aware	Trojan.Mint.Zamg.O	AegisLab	Trojan.Multi.Generic.4!c
AhnLab-V3	Malware/Win32.RL_Generic.R346613	Alibaba	TrojanSpy:Win32/Yakes.56555f48
ALYac	Trojan.Mint.Zamg.O	Antiy-AVL	GrayWare/Win32.Kryptik.ehls
SecureAge APEX	Malicious	Arcabit	Trojan.Mint.Zamg.O
Avast	Win32:DangerousSig [Trj]	AVG	Win32:DangerousSig [Trj]
Avira (no cloud)	TR/AD.ZLoader.ladbd	BitDefender	Trojan.Mint.Zamg.O
BitDefenderTheta	Gen:NN.ZedlaF.34590.lu9@aul7OQgi	Bkav Pro	W32.AIDetect.malware1
CrowdStrike Falcon	Win/malicious_confidence_100% (W)	Cylance	Unsafe

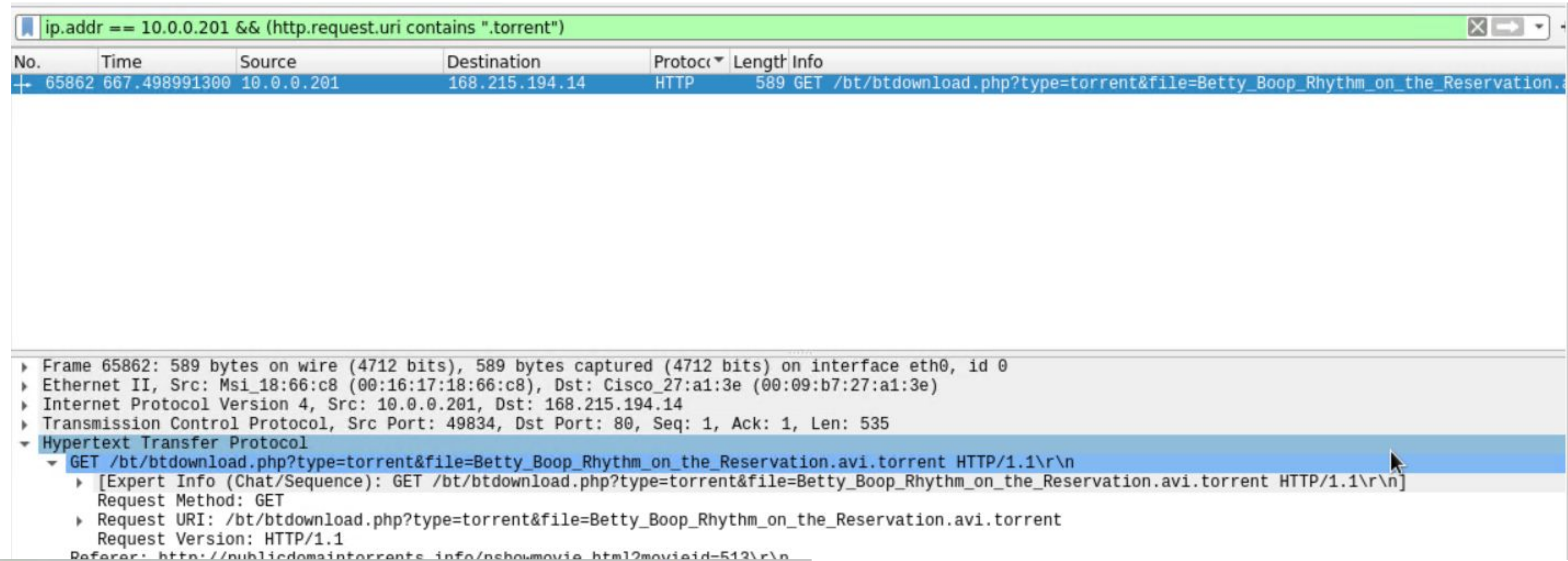
Wireshark · Export · HTTP object list				
Packet	Hostname	Content Type	Size	Filename
54486	192.168.1.100:9200	application/json	41 kB	_bulk
54491	192.168.1.100:9200	application/json	11 kB	_bulk
54495	192.168.1.100:9200	application/json	41 kB	_bulk
54499	192.168.1.100:9200	application/json	11 kB	_bulk
54503	192.168.1.100:9200	application/json	40 kB	_bulk
54508	192.168.1.100:9200	application/json	11 kB	_bulk
54514	192.168.1.100:9200	application/json	40 kB	_bulk
54517	192.168.1.100:9200	application/json	11 kB	_bulk
54521	192.168.1.100:9200	application/json	40 kB	_bulk
54525	192.168.1.100:9200	application/json	11 kB	_bulk
54529	192.168.1.100:9200	application/json	40 kB	_bulk
54532	192.168.1.100:9200	application/json	11 kB	_bulk
54536	192.168.1.100:9200	application/json	41 kB	_bulk
54540	192.168.1.100:9200	application/json	11 kB	_bulk
54544	192.168.1.100:9200	application/json	41 kB	_bulk
54550	192.168.1.100:9200	application/json	11 kB	_bulk
54554	192.168.1.100:9200	application/json	41 kB	_bulk
54558	192.168.1.100:9200	application/json	11 kB	_bulk
54562	192.168.1.100:9200	application/json	41 kB	_bulk
54567	192.168.1.100:9200	application/json	11 kB	_bulk
54571	192.168.1.100:9200	application/json	41 kB	_bulk
54576	192.168.1.100:9200	application/json	11 kB	_bulk
54577	192.168.1.100:9200	application/json	2,133 bytes	_bulk
54579	192.168.1.100:9200	application/json	729 bytes	_bulk
54883	205.185.125.104	application/octet-stream	563 kB	june11.dll
55117	192.168.1.100:9200	application/json	18 kB	_bulk
55125	192.168.1.100:9200	application/json	1,653 bytes	_bulk

Text Filter:

Save Save All Close Help

Torrenting/Illegal Downloading

- Torrent activity was observed that was illegally used to download copyrighted material.
- Protocols observed: HTTP and Kerberos
- User Activity: The user, elmer.blanco downloaded the torrent file
Betty_Boop_Rhythm_on_the_Reservation.avi.torrent



ip.addr == 10.0.0.201 && (http.request.uri contains ".torrent")

No.	Time	Source	Destination	Protocol	Length	Info
65862	667.498991300	10.0.0.201	168.215.194.14	HTTP	589	GET /bt/btdownload.php?type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation...

Frame 65862: 589 bytes on wire (4712 bits), 589 bytes captured (4712 bits) on interface eth0, id 0

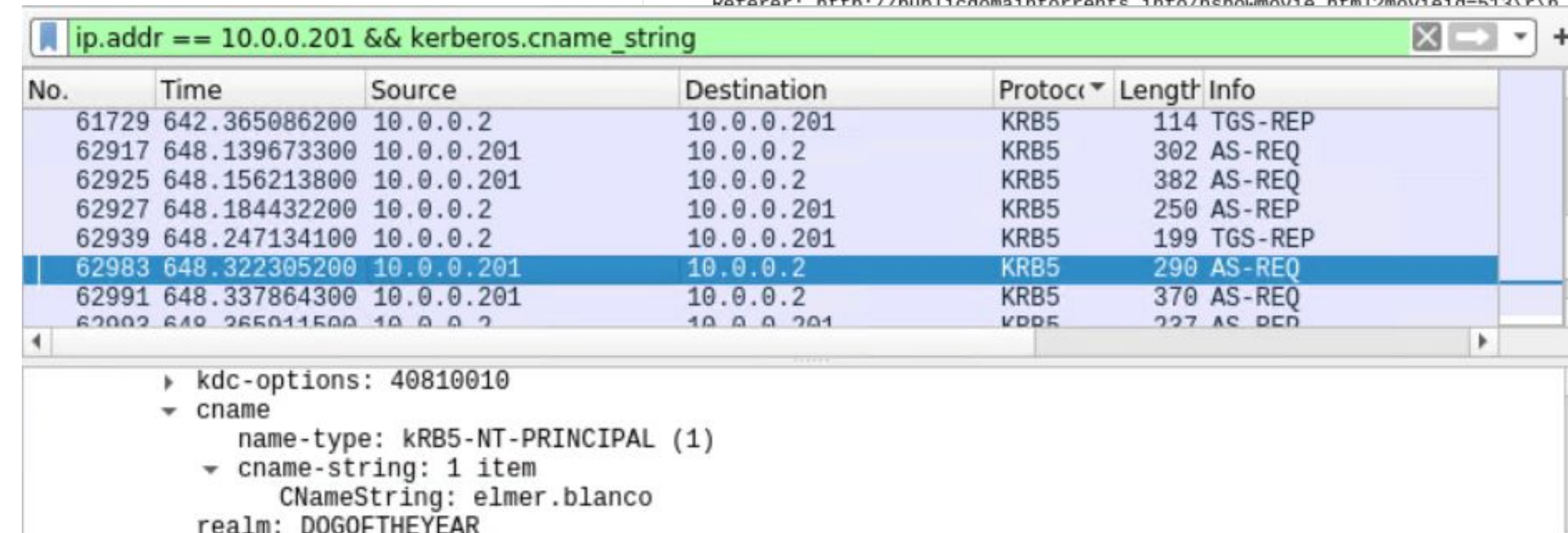
Ethernet II, Src: Msi_18:66:c8 (00:16:17:18:66:c8), Dst: Cisco_27:a1:3e (00:09:b7:27:a1:3e)

Internet Protocol Version 4, Src: 10.0.0.201, Dst: 168.215.194.14

Transmission Control Protocol, Src Port: 49834, Dst Port: 80, Seq: 1, Ack: 1, Len: 535

Hypertext Transfer Protocol

- GET /bt/btdownload.php?type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation.avi.torrent HTTP/1.1\r\n
 - [Expert Info (Chat/Sequence): GET /bt/btdownload.php?type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation.avi.torrent HTTP/1.1\r\n]
 - Request Method: GET
 - Request URI: /bt/btdownload.php?type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation.avi.torrent
 - Request Version: HTTP/1.1
 - Referer: http://publicdomaintorrents.info/showmovie.html?movieid=513\r\n



ip.addr == 10.0.0.201 && kerberos.cname_string

No.	Time	Source	Destination	Protocol	Length	Info
61729	642.365086200	10.0.0.2	10.0.0.201	KRB5	114	TGS-REP
62917	648.139673300	10.0.0.201	10.0.0.2	KRB5	302	AS-REQ
62925	648.156213800	10.0.0.201	10.0.0.2	KRB5	382	AS-REQ
62927	648.184432200	10.0.0.2	10.0.0.201	KRB5	250	AS-REP
62939	648.247134100	10.0.0.2	10.0.0.201	KRB5	199	TGS-REP
62983	648.322305200	10.0.0.201	10.0.0.2	KRB5	290	AS-REQ
62991	648.337864300	10.0.0.201	10.0.0.2	KRB5	370	AS-REQ
62992	648.365011500	10.0.0.2	10.0.0.201	KRB5	227	AS-REP

kdc-options: 40810010

cname

- name-type: KRB5-NT-PRINCIPAL (1)
- cname-string: 1 item
 - CNameString: elmer.blanco
- realm: DOGOFTHEYEAR



The End