Lab 5
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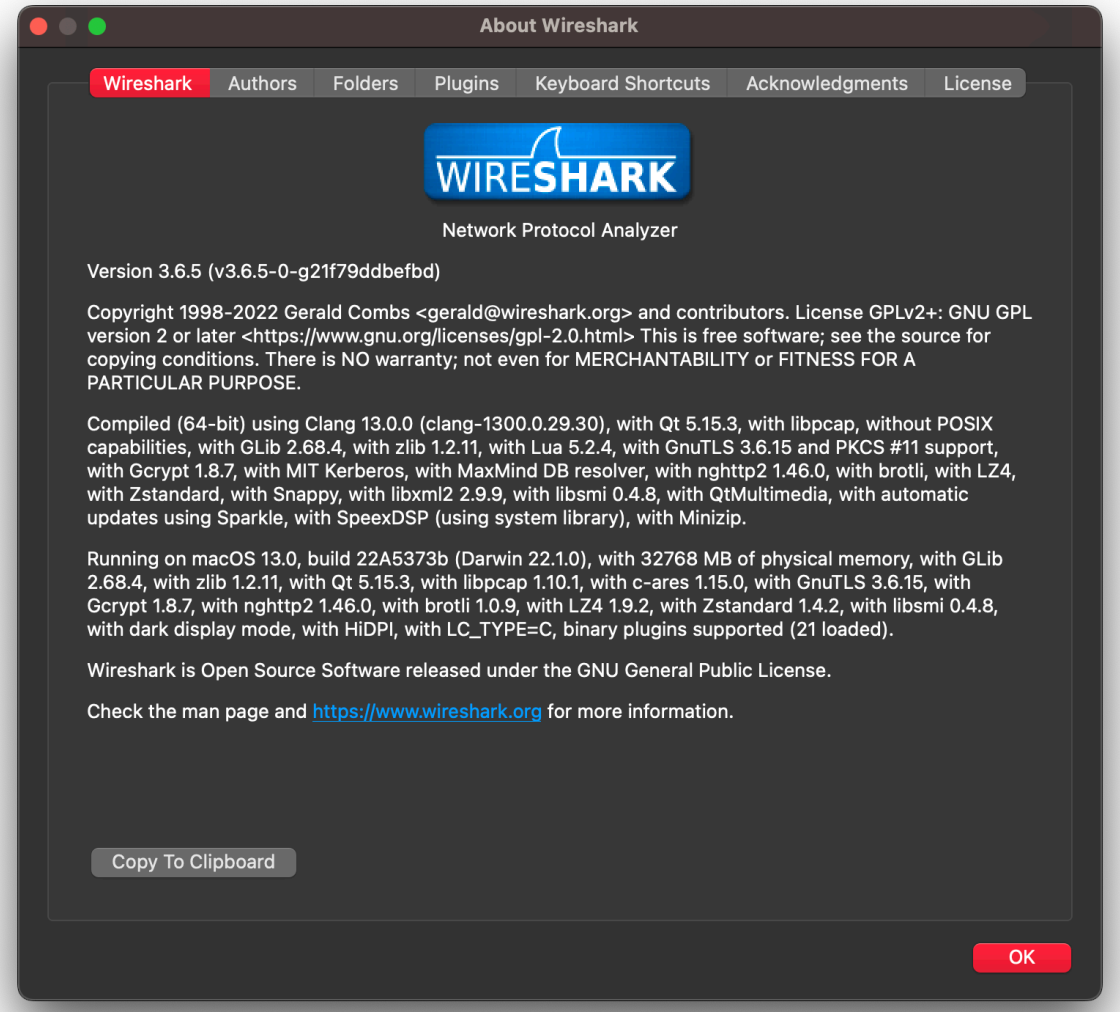
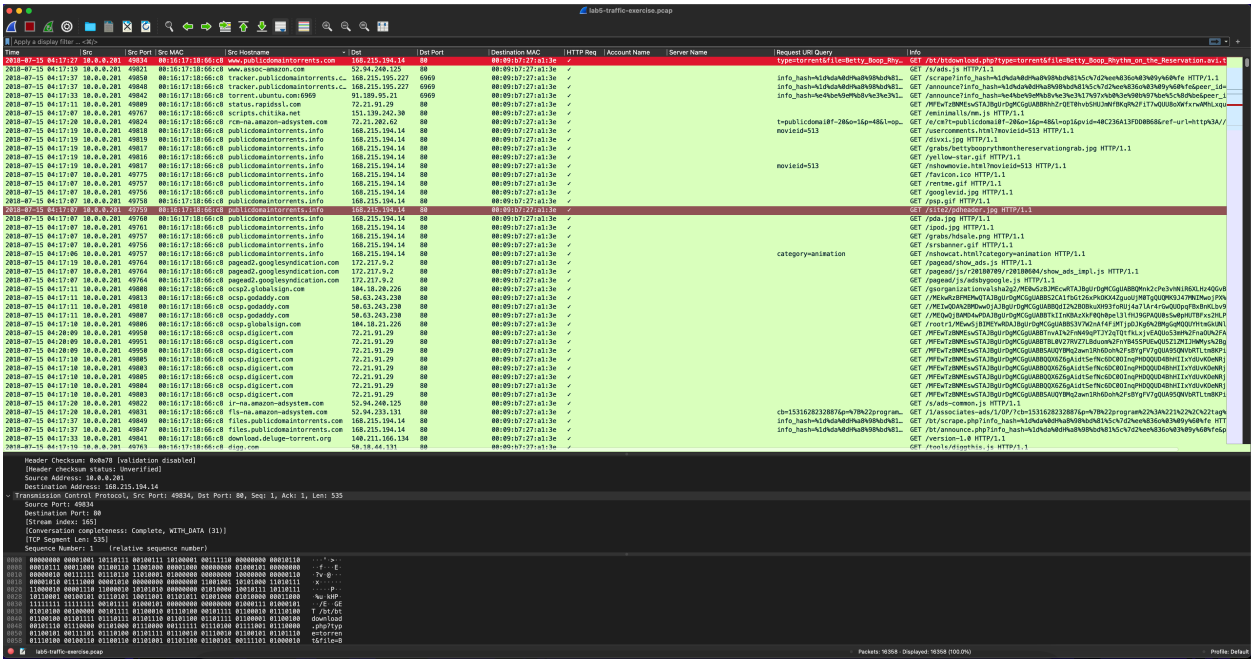
11/13/22

Step 1



Step 2



Step 3

	Filter	Value
MAC address	ip.src == 10.0.0.201 && eth.src	00:16:17:18:66:c8
Hostname/Account	ip.src == 10.0.0.201 && kerberos.CNameString	elmer.blanco / BLANCO-DESKTOP
Torrent Hostname	http.host contains torrent	"torrent.ubuntu.com:6969"
Torrent File	http.request.uri.query contains file	type=torrent&file=Betty_Boop_Rhythm_on_the_Reservation.avi.torrent

1. What is the MAC address of the computer at 10.0.0.201?

To find the MAC address of 10.0.0.201, I filter “ip.src == 10.0.0.201 && etc.src” and select any row. I look at the “eth.src” to find that the MAC source address Msi_18:66:c8 is 00:16:17:18:66:c8

Time	Src	Src Port	Src MAC
2018-07-15 04:15:42	10.0.0.201		00:16:17:18:66:c8

2. What is the host name of the computer at 10.0.0.201?

By looking at the MAC address, I filtered "ip.src == 10.0.0.201 && kerberos.CNameString". Under DHCP/HostName I found Host Name to be "BLANCO-DESKTOP". OR same as part 3

3. What is the Windows user account name for the computer at 10.0.0.201?

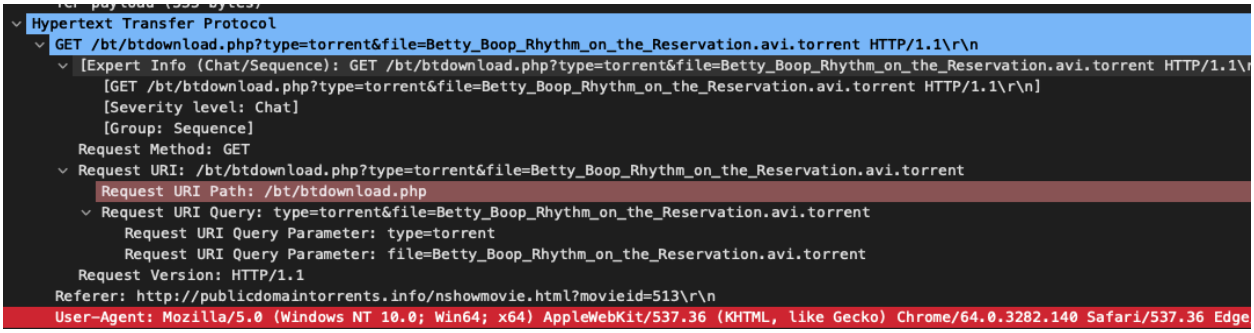
By looking at the MAC address, I filtered "ip.src == 10.0.0.201 && kerberos.CNameString". Under "Kerberos/as-req/req-body/cname/cname-string" I found Windows User Account name to be "elmer.blanco".

ip.src == 10.0.0.201 && kerberos.CNameString

Time	Src	Src Port	Src MAC	Account Name
2018-07-15 04:15:53	10.0.0.201	49741	00:16:17:18:66:c8	BLANCO-DESKTOP$
2018-07-15 04:15:53	10.0.0.201	49742	00:16:17:18:66:c8	BLANCO-DESKTOP$
2018-07-15 04:15:43	10.0.0.201	49675	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49677	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49678	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49679	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49682	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49683	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49690	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:15:43	10.0.0.201	49691	00:16:17:18:66:c8	blanco-desktop$
2018-07-15 04:16:52	10.0.0.201	49744	00:16:17:18:66:c8	elmer.blanco
2018-07-15 04:16:52	10.0.0.201	49745	00:16:17:18:66:c8	elmer.blanco

4. What is the Microsoft Windows version (XP, 7, 8, or 10) of the computer at 10.0.0.201?

By looking at any packet from the IP of 10.0.0.201, and looking at the Hypertext Transfer Protocol/User-Agent, we get "Mozilla/5.0 (Windows NT 10.0; Win64; x64)".



5. What time in UTC did the torrent activity from 10.0.0.201 start?

http.host contains torrent

Time	Src	Src Port	Src MAC	Src Hostname	Account Name	Dst	Dst Port
2018-07-15 04:17:06	10.0.0.201	49757	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49756	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49757	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49761	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49760	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49759	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49758	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49756	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49757	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:07	10.0.0.201	49775	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:19	10.0.0.201	49817	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:19	10.0.0.201	49816	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:19	10.0.0.201	49817	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:19	10.0.0.201	49819	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:19	10.0.0.201	49818	00:16:17:18:66:c8	publicdomaintorrents.info		168.215.194.14	80
2018-07-15 04:17:27	10.0.0.201	49834	00:16:17:18:66:c8	www.publicdomaintorrents.com		168.215.194.14	80
2018-07-15 04:17:33	10.0.0.201	49841	00:16:17:18:66:c8	download.deluge-torrent.org		140.211.166.134	80
2018-07-15 04:17:33	10.0.0.201	49842	00:16:17:18:66:c8	torrent.ubuntu.com:6969		91.189.95.21	6969
2018-07-15 04:17:37	10.0.0.201	49847	00:16:17:18:66:c8	files.publicdomaintorrents.com		168.215.194.14	80
2018-07-15 04:17:37	10.0.0.201	49848	00:16:17:18:66:c8	tracker.publicdomaintorrents.c…		168.215.195.227	6969
2018-07-15 04:17:37	10.0.0.201	49849	00:16:17:18:66:c8	files.publicdomaintorrents.com		168.215.194.14	80
2018-07-15 04:17:37	10.0.0.201	49850	00:16:17:18:66:c8	tracker.publicdomaintorrents.c…		168.215.195.227	6969

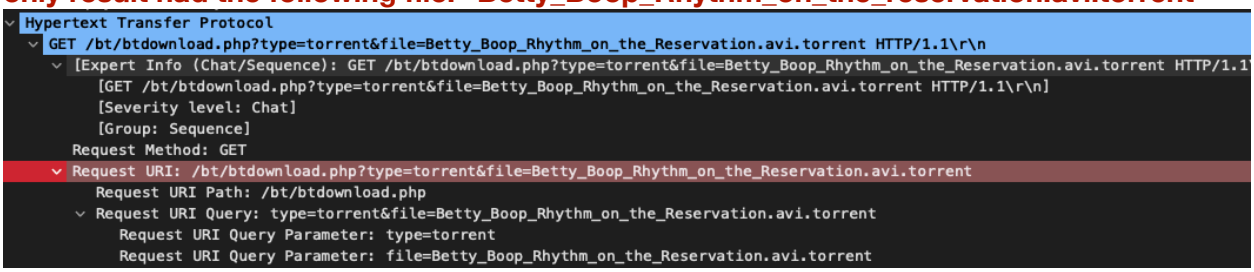
bittorrent

Time	Src	Src Port	Src MAC	Info
2018-07-15 04:18:08	10.0.0.201	49892	00:16:17:18:66:c8	Handshake
2018-07-15 04:18:09	128.71.11…	6885	00:09:b7:27:a1:3e	Handshake Bitfield, Len:0x1cb Extended
2018-07-15 04:18:09	10.0.0.201	49892	00:16:17:18:66:c8	Extended Have All Allowed Fast, Piece (Idx:0x1be) Allowed Fast, Piece (Idx:
2018-07-15 04:18:30	10.0.0.201	49907	00:16:17:18:66:c8	Handshake
2018-07-15 04:18:30	2.7.43.235	6881	00:09:b7:27:a1:3e	Handshake
2018-07-15 04:18:30	10.0.0.201	49907	00:16:17:18:66:c8	Extended Have All Allowed Fast, Piece (Idx:0xdf3) Allowed Fast, Piece (Idx:
2018-07-15 04:18:30	2.7.43.235	6881	00:09:b7:27:a1:3e	Have All Port Extended
2018-07-15 04:18:32	10.0.0.201	49909	00:16:17:18:66:c8	Handshake
2018-07-15 04:18:33	121.44.39…	6881	00:09:b7:27:a1:3e	Handshake
2018-07-15 04:18:33	10.0.0.201	49909	00:16:17:18:66:c8	Extended Have All Allowed Fast, Piece (Idx:0xb4a) Allowed Fast, Piece (Idx:
2018-07-15 04:19:33	10.0.0.201	49925	00:16:17:18:66:c8	Handshake
2018-07-15 04:19:33	121.44.39…	6881	00:09:b7:27:a1:3e	Handshake Extended Have All Port
2018-07-15 04:19:33	10.0.0.201	49925	00:16:17:18:66:c8	Extended Have All Allowed Fast, Piece (Idx:0xb4a) Allowed Fast, Piece (Idx:

By filtering “http.host contains torrent” for http connections, we can see all packets that relate to torrent activity. We can also filter by using “bittorrent” for TCP connections. The first timestamp for torrent activity is at “2018-07-15 04:17:06” and last timestamp for torrent activity is at “2018-07-15 04:19:33”.

6. What torrent file did the user at 10.0.0.201 download?

By filtering the following: “http.request.uri.query contains file” I was able to find the packets that contain files. This packet was a GET request from /bt/download.php… The only result had the following file: “Betty_Boop_Rhythm_on_the_reservation.avi.torrent”



7. What is the name of the torrent client used on 10.0.0.201?

I searched for different torrent clients at https://www.vpnmentor.com/blog/best-torrent-clients/ to see what was used in the packets. By filtering "http.host contains torrent" I found under "download.deluge-torrent.org" that the torrent client "Deluge" is being used on IP 10.0.0.201.

8. What file is being seeded (shared) by the torrent client on 10.0.0.201?

By filtering "http.request && http.host" and looking for "torrent.ubuntu.com:6969" I found in Hypertext Transfer Protocol > [truncated] GET /announce? info_hash=%e4%be%9eM%b8v%e3%e3%17%97x%b0%3e%90b%97%be%5c%8d%be &peer_id=-DE13F0-VnpZRF8ZP9iv&port=63448&uploaded=0&downloaded=0&left=1921843200&corrupt=0&key=764CA003&event=started&numwant=200&compact=1&no_peer_id. Putting the info_hash into "asciitohex.com" I got the Hexadecimal value of : 65 34 62 65 39 65 4d 62 38 76 65 33 65 33 31 37 39 37 78 62 30 33 65 39 30 62 39 37 62 65 35 63 38 64 62 65

The info_hash can also be found with the "bittorent" filter