

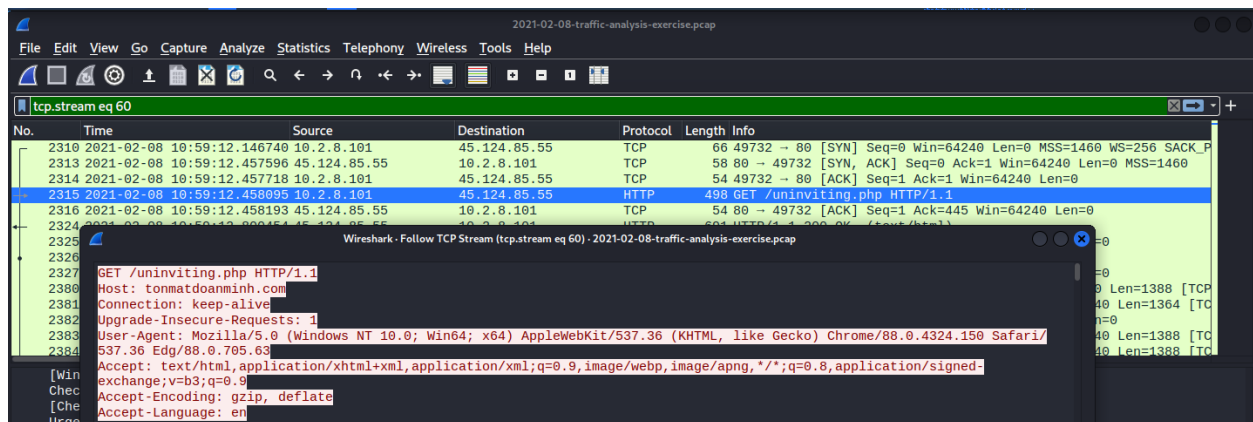
Timeline of Compromise

DESKTOP-MGVG60Z

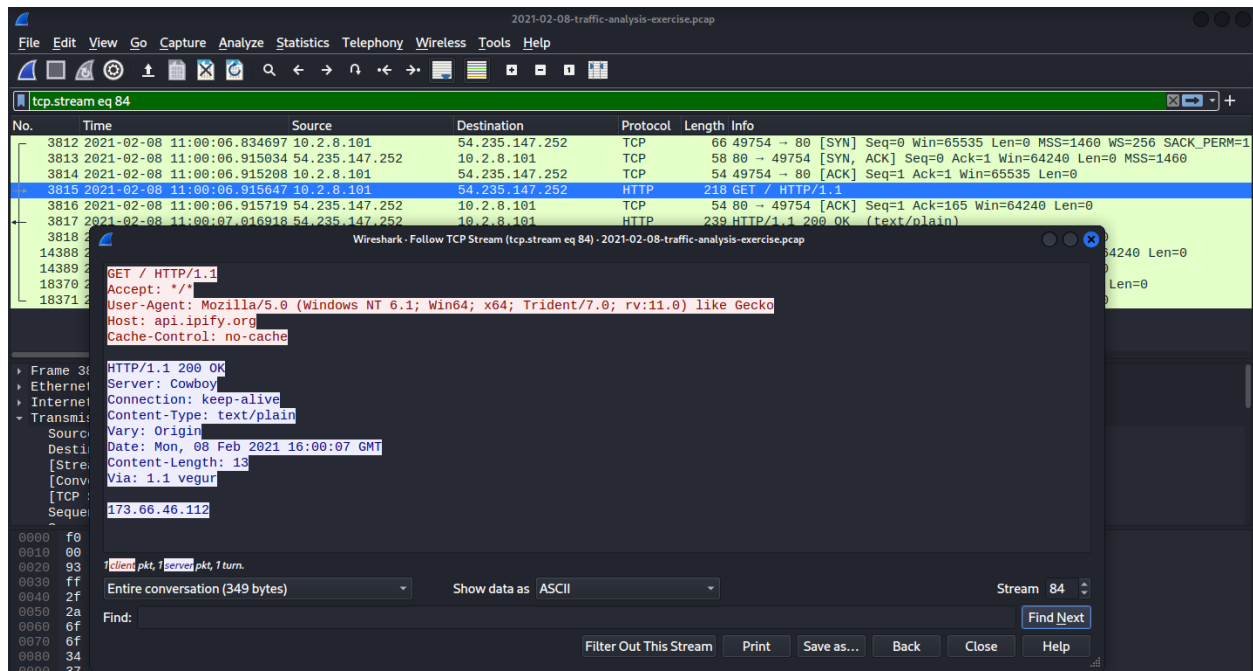
00:12:79:41:C2:AA

08 February 2021

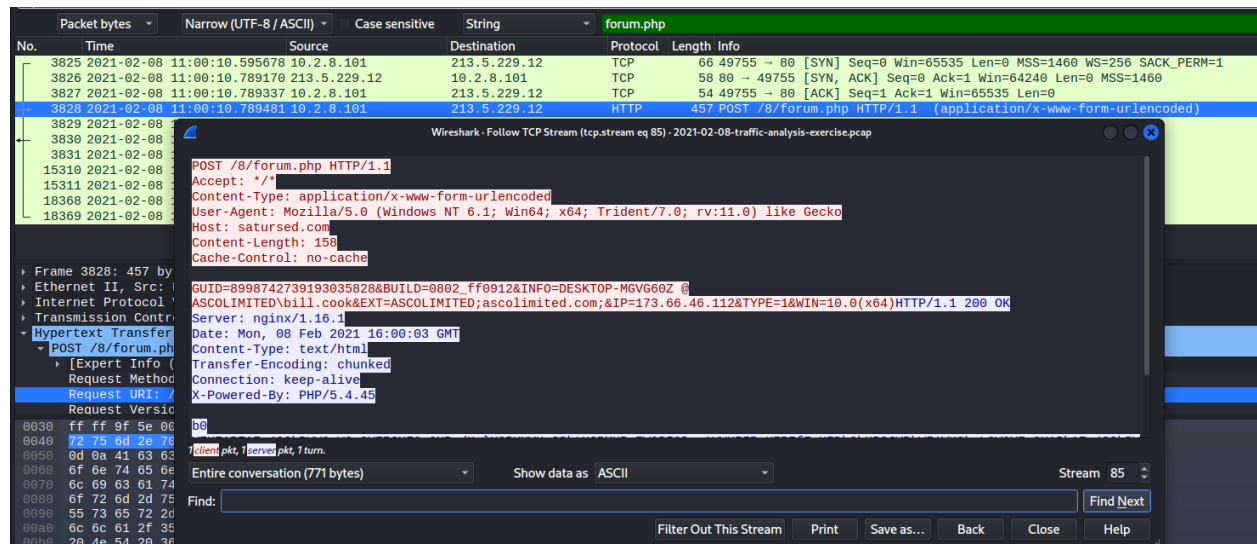
At 10:59:12 AM CST on February 8, 2021, user bill.cook at 10.2.8.101 accessed the website tonmatdoanminh.com/uninviting.php (45.124.85.55:80) which contained the document 0208_54741869750132.doc
This document contains malicious macros.



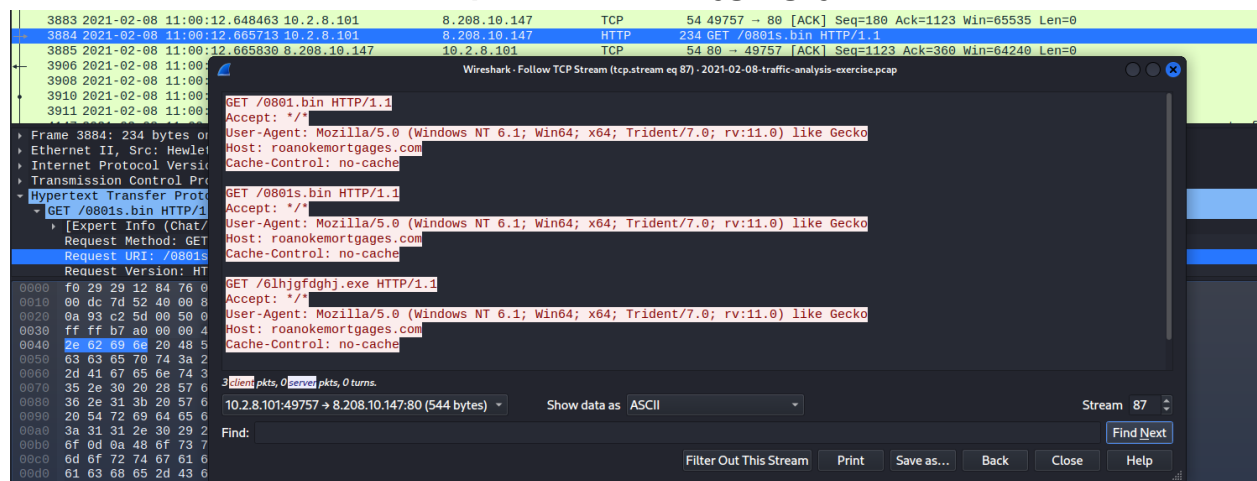
At 11:00:06 The macro used a script that reached out to api.ipify.org to gather the public-facing IP address of the machine at 10.2.8.101.



At 11:00:10 AM, the machine at 10.2.8.101 contacted a C2 server 213.5.229.12 (saturated.com/8/forum.php) with a POST request containing unique user and machine information.



At 11:00:12, The script then contacted roanokemortgages.com to download two binary files and an additional file - /6Aov - which appears to be a meterpreter backdoor that establishes a persistent connection via HTTPS. In the same second, the script retrieves 6lhjgfdghj.exe, Ficker.



At 11:00:17, Ficker begins transmitting 4,288 packets of data - likely stolen credentials- to 185.100.65.29 (sweyblidian.com).

Wireshark - Follow TCP Stream (tcp.stream eq 93) - 2021-02-08-traffic-analysis-exercise.pcap

4740 2021-02-08 11:00:18.208322 10.2.8.101 185.100.65.29 TCP 65 49/63 → 80 [PSH, ACK] Seq=36 Ack=42 Win=64199 Len=11

4741 2021-02-08 11:00:18.208322 185.100.65.29 10.2.8.101 TCP 11 42/36 ← 80 [ACK] Seq=42 Ack=36 Win=0 Len=0

4742 2021-02-08 11:00:18.208322 10.2.8.101 185.100.65.29 TCP 65 49/63 → 80 [PSH, ACK] Seq=36 Ack=42 Win=64199 Len=11

4743 2021-02-08 11:00:18.208322 185.100.65.29 10.2.8.101 TCP 11 42/36 ← 80 [ACK] Seq=42 Ack=36 Win=0 Len=0

4744 2021-02-08 11:00:18.208322 10.2.8.101 185.100.65.29 TCP 65 49/63 → 80 [PSH, ACK] Seq=36 Ack=42 Win=64199 Len=11

Frame 4740: 65 bytes on wire (520 bits) captured (65 bytes) on interface 0
Ethernet II, Src: He...
Internet Protocol Version 4, Src: 10.2.8.101, Destination: 185.100.65.29
Transmission Control Protocol, Seq=36, Ack=42, Win=64199, Len=11
[2 Reassembled TCP Segments (40 bytes) ==> 36:42
Hypertext Transfer Protocol
hfcnckd\$ieg02:\000...
\n
File Data: 4 bytes
Data (4 bytes)
0000 f0 29 29 12 84 .kli.;n=:88<'oh>?'=k99'h9o=?kn3?<l>...c.
0010 00 33 2b 43 40
0020 41 1d c2 63 00
0030 fa c7 1f b8 00
0040 3d
JI0V_yoxyVheh\$yomoxVKzZnk-kVFeikfVMeemfoVibxegov_yox*Nk-kVNolk.F=

4,288 client pkts, 0 server pkts, 0 turns.
10.2.8.101:49763 → 185.100.65.29:80 (6,229 kB) Show data as ASCII Stream 93
Find: Find Next
Filter Out This Stream Print Save as... Back Close Help