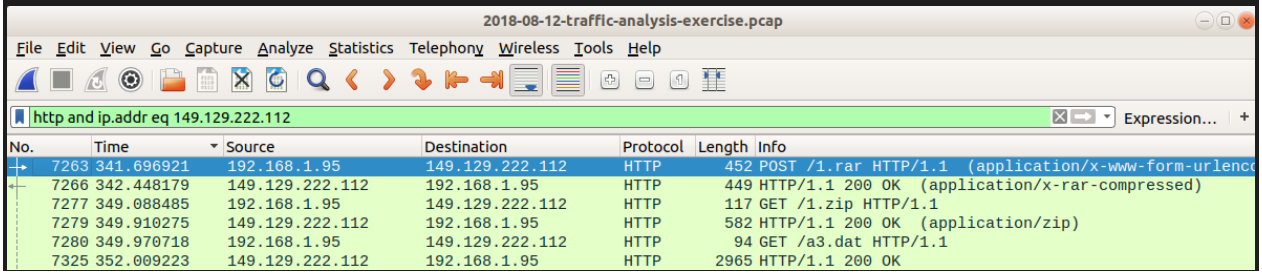
Sputnik House Post-Incident Report

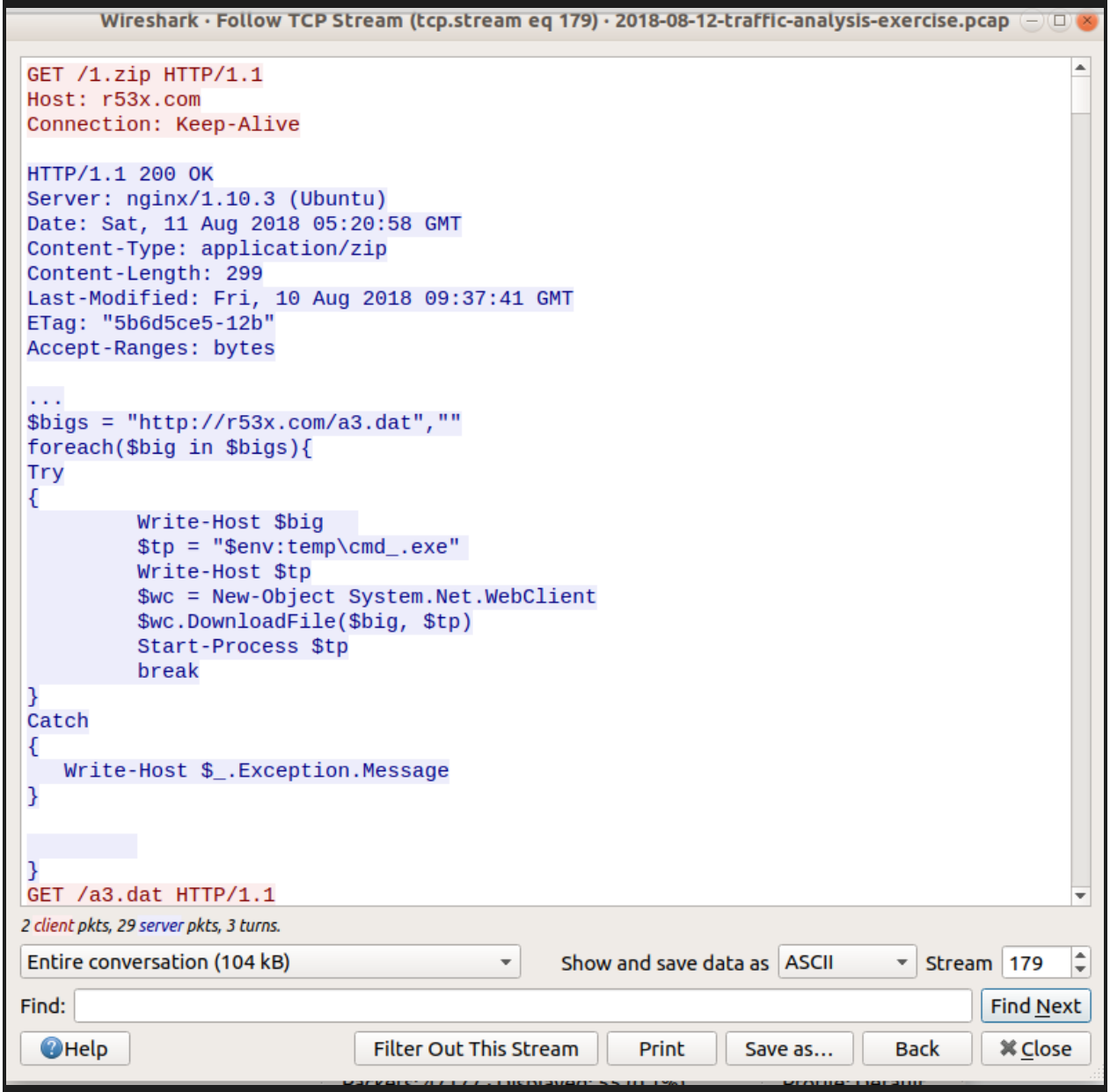
Date of investigation	Today
Date of incident	2018-08-12
Outcome	True Positive – Found infection in email
Action taken	Determined host, identified infected email attachment, and advised reformatting infected machine
Reporting took	Alerts and traffic in the pcap using Wireshark, Snort and Suratica
Attack vector	Email attachment
Source IP/email	149.129.222.112
Source port	80
Destination IP/email	185.68.93.18
Destination port	80

Narrative

Both alert files show there was an executable from 149.129.222.112 on the 11th of August in 2018 at around 05:21. The first two HTTP requests for "1.rar" and "1.zip" do not return any RAR or ZIP archives. The last HTTP request returns a 200 OK with content labeled as "application/octet-stream." If you follow the TCP stream for the last HTTP request for "a3.dat," you'll find an executable file.

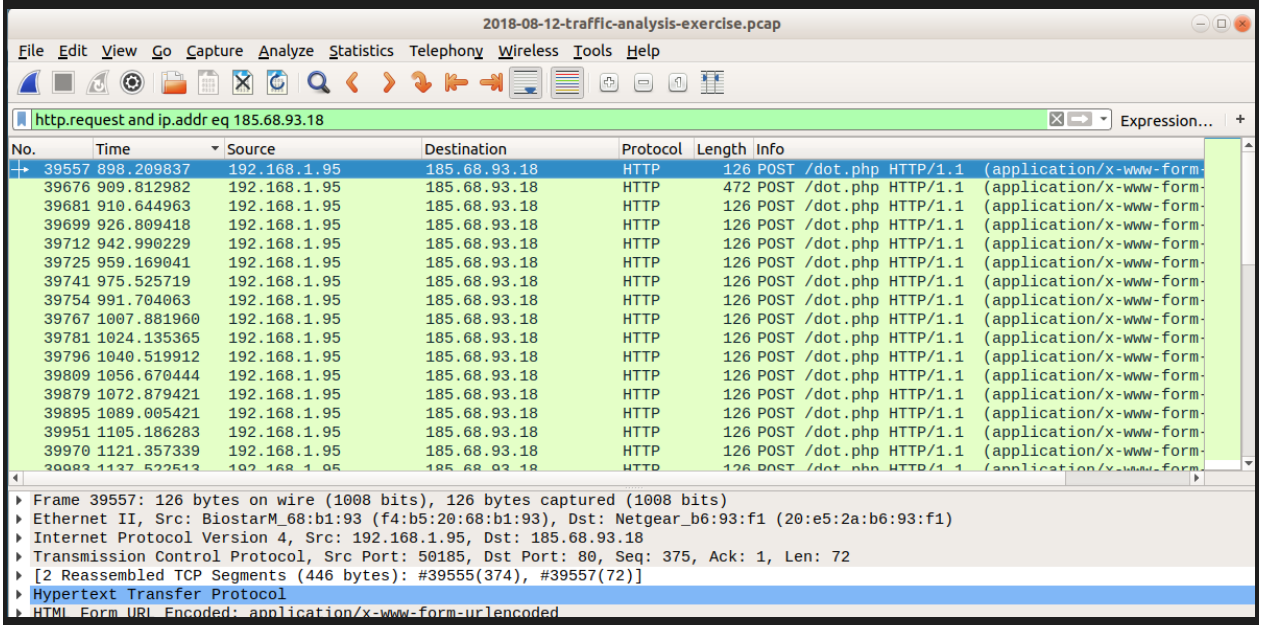


The HTTP request in the middle returns a 200 OK with it labeled as “application/zip.” When looking at the TCP stream for that request, there is an executable file.



After exporting the file, the file hash can be searched on VirusTotal. After checking the status, there were multiple instances of HTTP traffic over TCP port 80. This triggered the following alerts in the Suricata alert file:

• ET INFO GENERIC SUSPICIOUS POST to Dotted Quad with Fake Browser 1
•ETPRO TROJAN Win32/Marap CnC Beacon



According to these alerts, the machine is infected and the infection is contained within the email attachment. After looking at the first email, it contains a picture attachment. When you view the contents on a text editor, it shows a URL which most likely started the infection.