Suricata and the Shark: suriwire

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Get the mascot

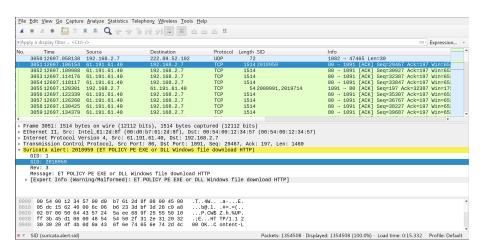


- Available on Amazon: https://www.amazon.co.uk/
 Vivid-Arts-Meerkat-Shark-Onesie/dp/B01MAYA3A1
- For only 19.99 brexit coins¹



¹Worth 76745.63 Columbian Peso

Get Suricata information in Wireshark





Also get extracted metadata

115 12.920748	10.3.1.1	10.3.1.2	TCP	2962 445 → 56746 [ACK] Seq=25185 Ack=3
116 12.920753	10.3.1.1	10.3.1.2	SMB2	363 Read Response
117 12.924091	10.3.1.2	10.3.1.1	TCP	78 [TCP Window Update] 56746 → 445 [
118 12.924096	10.3.1.2	10.3.1.1	TCP	66 56746 → 445 [ACK] Seq=3604 Ack=28
119 12 . 924743	10.3.1.2	10.3.1.1	SMB2	158 Close Request File: file69.txt
12012.928852	10.3.1.1	10.3.1.2	SMB2	194 Close Response
121 12 . 932295	10.3.1.2	10.3.1.1	SMB2	254 Create Request File: file69.txt

- > Frame 120: 194 bytes on wire (1552 bits), 194 bytes captured (1552 bits)
- ▶ Ethernet II, Src: 6e:a8:a8:d3:75:ec (6e:a8:a8:d3:75:ec), Dst: a6:96:79:5e:31:ba (a6:96:79:5e:31:ba)
- ▶ Internet Protocol Version 4, Src: 10.3.1.1, Dst: 10.3.1.2
- > Transmission Control Protocol, Src Port: 445, Dst Port: 56746, Seq: 28378, Ack: 3696, Len: 128

NetBIOS Session Service ► SMB2 (Server Message Block Protocol version 2)

▼ Suricata SMB Info

SMB Command: SMB2_COMMAND_READ SMB Filename: file69.txt SMB Share: \\10.3.1.1\public SMB Status: STATUS SUCCESS

▼ Suricata File Info

Fileinfo filename: file69.txt

Fileinfo magic: ASCII text, with very long lines

Fileinfo sha1: a3b69227c4a176882144ffd0daf60bd8d573735d

Fileinfo size: 3109 Fileinfo stored: false



Filter is working

```
suricata.fileinfo.sha1 == "510dbcb0d481c60a7432e71b29b0a17cf08fb14f
                                                                                                                                       □□ · Expression...
        Time
                       Source
                                            Destination
                                                                  Protocol Length SID
                                                                                                        Info
   4059 12705 . 193248 192 . 168 . 2 . 7
                                            61,191,61,40
> Internet Protocol Version 4, Src: 192.168.2.7, Dst: 61.191.61.40
> Transmission Control Protocol, Src Port: 1091, Dst Port: 80, Seq: 295, Ack: 81856, Len: 0
- Suricata HTTP Info
    HTTP URL: /ww/aa3.exe
   HTTP hostname: vcrvcr.3322.org
   HTTP user agent: MyIE/1.0
   HTTP Content Type: application/octet-stream
   HTTP Method: GET
    HTTP Protocol: HTTP/1.1
   HTTP Status: 200
   HTTP Length: 25616
- Suricata File Info
    Fileinfo filename: /ww/aa3.exe
    Fileinfo magic: PE32 executable (GUI) Intel 80386, for MS Windows, UPX compressed
   Fileinfo sha1: 510dbcb0d481c60a7432e71b29b0a17cf08fb14f
    Fileinfo size: 25616
    Fileinfo stored: false
0000 00 d0 b7 61 2d 8f 00 54 00 12 34 57 08 00 45 00
                                                          ...a-..T ..4W..E.
                                                          .(.K@....=.
0010 00 28 09 4b 40 00 80 06 b3 ee c0 a8 02 07 3d bf
0020 3d 28 04 43 00 50 68 9f 25 b7 57 25 27 93 50 10
                                                          =(.C.Ph. %.W%'.P.
9939 44 79 1c 2c 99 99
                                                          Dp.,..
```

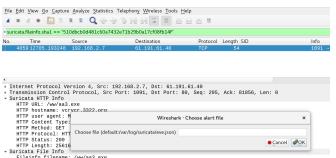


Fileinfo sha1 (suricata.fileinfo.sha1)

Packets: 1354508 · Displayed: 1 (0.0%) · Marked: 1 (0.0%) · Load time: 0:18.357 | Profile: Default

How it works

- Wireshark plugin written in Lua
- Load JSON file generated by Suricata (via Tools->Suricata->Activate)
- Add a new top domain protocol named suricata





Questions?



Thanks to

- anonymous NSA agent
- Wireshark team
- OISF and Suricata team

Contact me

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- Twitter: @regiteric

Get it, use it

https://github.com/
regit/suriwire



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