Suricata - Feature #2970

DNS: Parse and extract SOA app layer data from DNS packets

05/07/2019 11:31 AM - Konstantin Klinger

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Simon Dugas</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>6.0.0rc1</td>
</tr>
<tr>
<td>Effort:</td>
<td></td>
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<tr>
<td>Difficulty:</td>
<td></td>
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<tr>
<td>Label:</td>
<td>Protocol</td>
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Description
At the moment the DNS parser gives you "SOA" as rrtype, but the related metadata of those SOA records/DNS packets are missing. In the attached pcap you can find the current output.

I would expect something like this (equivalent to the content in Wireshark output):

**Answers**
suricon.net: type SOA, class IN, mname ns1.siteground199.com
Name: suricon.net
Type: SOA (Start Of a zone of Authority) (6)
Class: IN (0x0001)
Time to live: 21599
Data length: 50
Primary name server: ns1.siteground199.com
Responsible authority's mailbox: root.siteground199.com
Serial Number: 2018092604
Refresh Interval: 86400 (1 day)
Retry Interval: 7200 (2 hours)
Expire limit: 3600000 (41 days, 16 hours)
Minimum TTL: 86400 (1 day)

History

#1 - 05/23/2019 10:05 PM - Andreas Herz
- Assignee set to Community Ticket
- Target version set to TBD

#2 - 01/30/2020 01:35 PM - Victor Julien
- Label Protocol added

#3 - 04/17/2020 02:51 PM - Simon Dugas
I started looking into this: https://github.com/OISF/suricata/pull/4830

#4 - 04/26/2020 11:19 AM - Victor Julien
- Status changed from New to In Review
- Assignee changed from Community Ticket to Simon Dugas
- Target version changed from TBD to 6.0.0beta1

https://github.com/OISF/suricata/pull/4830

#5 - 08/05/2020 12:05 PM - Victor Julien
- Target version changed from 6.0.0beta1 to 7.0rc1

#6 - 09/04/2020 01:56 PM - Victor Julien
- Status changed from In Review to Closed
- Target version changed from 7.0rc1 to 6.0.0rc1
## Files

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<tr>
<th>Name</th>
<th>Size</th>
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<th>Author</th>
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<tbody>
<tr>
<td>soa_record_eve.json</td>
<td>5.54 KB</td>
<td>05/07/2019</td>
<td>Konstantin Klinger</td>
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<tr>
<td>soa_record.pcap</td>
<td>719 Bytes</td>
<td>05/07/2019</td>
<td>Konstantin Klinger</td>
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