### Suricata - Task #2778

**tracking: port app-layer parsers to Rust**

01/18/2019 03:56 PM - Danny Browning

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>OISF Dev</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>TBD</td>
</tr>
<tr>
<td>Effort:</td>
<td></td>
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<tr>
<td>Difficulty:</td>
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</tbody>
</table>

**Label:**

**Description**

Tracking ticket for conversion of protocol parsers from C to Rust.

**Subtasks:**

Task # 4161: Convert TLS parser to Rust

**Related issues:**

- Related to Optimization #2779: Convert DCE_RPC from C to Rust
- Related to Optimization #2780: Convert DNP3 from C to Rust
- Related to Optimization #2781: Convert ENIP from C to Rust
- Related to Optimization #2782: Convert Modbus from C to Rust
- Related to Task #3195: tracking: rustify all input
- Related to Feature #3445: Convert SSH parser to Rust
- Related to Feature #3957: Convert protocol to Rust: Modbus
- Related to Feature #3958: Convert protocol to Rust: ENIP

**History**

#1 - 01/18/2019 04:00 PM - Danny Browning

- Related to Feature #2279: TLS 1.3 decoding, SNI extraction and logging added

#2 - 01/18/2019 04:00 PM - Danny Browning

- Related to deleted (Feature #2279: TLS 1.3 decoding, SNI extraction and logging)

#3 - 01/18/2019 04:00 PM - Danny Browning

- Related to Optimization #2779: Convert DCE_RPC from C to Rust added

#4 - 01/18/2019 04:00 PM - Danny Browning

- Related to Optimization #2780: Convert DNP3 from C to Rust added

#5 - 01/18/2019 04:00 PM - Danny Browning

- Related to Optimization #2781: Convert ENIP from C to Rust added

#6 - 01/18/2019 04:00 PM - Danny Browning

- Related to Optimization #2782: Convert Modbus from C to Rust added

#7 - 02/07/2019 11:04 AM - Victor Julien

- Target version changed from 5.0beta1 to Support
- Affected Versions deleted (5.0beta1)

#8 - 02/27/2019 06:48 AM - Victor Julien

- Tracker changed from Bug to Task
- Target version deleted (Support)
- Effort deleted (medium)
#9 - 03/11/2019 02:28 PM - Victor Julien
- Assignee set to OISF Dev

#10 - 06/15/2019 09:53 PM - Andreas Herz
- Target version set to TBD

#11 - 09/26/2019 09:38 AM - Victor Julien
- Subject changed from Protocol Parsing Rust Conversion Tracking to tracking: port app-layer parsers to Rust

#12 - 09/26/2019 09:38 AM - Victor Julien
- Related to Task #3195: tracking: rustify all input added

#13 - 01/22/2020 09:25 AM - Victor Julien
- Related to Feature #3445: Convert SSH parser to Rust added

#14 - 11/09/2020 05:16 AM - Shivani Bhardwaj
- Related to Feature #3957: Convert protocol to Rust: Modbus added

#15 - 11/09/2020 05:20 AM - Shivani Bhardwaj
- Related to Feature #3958: Convert protocol to Rust: ENIP added