### Suricata - Feature #2696

**http parser in rust**

11/21/2018 11:30 AM - Victor Julien

<table>
<thead>
<tr>
<th>Status</th>
<th>In Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee</td>
<td>Todd Mortimer</td>
</tr>
<tr>
<td>Category</td>
<td></td>
</tr>
<tr>
<td>Target version</td>
<td>7.0rc1</td>
</tr>
<tr>
<td>Effort</td>
<td>high</td>
</tr>
<tr>
<td>Difficulty</td>
<td>high</td>
</tr>
<tr>
<td>Label</td>
<td>Protocol</td>
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</tbody>
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**Description**

This would replace libhtp.

**Related issues:**

- Related to Task #2685: SuriCon 2018 brainstorm [Assigned]
- Related to Feature #1947: HTTP2 decoder [Closed]
- Related to Feature #3487: multi-part parser in Rust [Assigned]

**History**

#### #1 - 11/21/2018 11:30 AM - Victor Julien
- Related to Task #2685: SuriCon 2018 brainstorm added

#### #2 - 11/21/2018 11:30 AM - Victor Julien
- Related to Feature #1947: HTTP2 decoder added

#### #3 - 05/23/2019 09:48 PM - Andreas Herz
- Assignee set to Community Ticket

#### #4 - 11/01/2019 07:50 AM - Victor Julien
- Status changed from New to Feedback

It would be great to get some suggestions about what Rust crates would be helpful here.

#### #5 - 11/01/2019 02:17 PM - Danny Browning
For 1.1 [https://crates.io/crates/httparse](https://crates.io/crates/httparse)
For 2, [https://docs.rs/h2/0.2.0-alpha.3/h2/](https://docs.rs/h2/0.2.0-alpha.3/h2/) but it is futures/async-await based, so would require a runtime running, as well as rust 1.39

#### #6 - 01/30/2020 01:44 PM - Victor Julien
- Label Protocol added

#### #7 - 02/18/2020 10:25 AM - Victor Julien
- Related to Feature #3487: multi-part parser in Rust added

#### #8 - 05/31/2022 07:37 AM - Philippe Antoine
- Status changed from Feedback to In Review
- Assignee changed from Community Ticket to Todd Mortimer
- Target version changed from TBD to 7.0rc1

[https://github.com/OISF/suricata/pull/7438](https://github.com/OISF/suricata/pull/7438)