**Suricata - Feature #2696**

**http parser in rust**

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

<table>
<thead>
<tr>
<th>Status:</th>
<th>Feedback</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
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<tr>
<td>Assignee:</td>
<td>Community Ticket</td>
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<tr>
<td>Category:</td>
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<td>Target version:</td>
<td>TBD</td>
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<tr>
<td>Effort:</td>
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<td>Difficulty:</td>
<td>high</td>
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<tr>
<td>Label:</td>
<td>Protocol</td>
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**Description**

This would replace libhtp.

**Related issues:**

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

**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-parser in Rust added