## Suricata - Optimization #2977

**replace asn1 parser with rust based implementation**

05/09/2019 06:59 PM - Victor Julien

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Emmanuel Thompson</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
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<tr>
<td>Target version:</td>
<td>6.0.0beta1</td>
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<tr>
<td>Effort:</td>
<td></td>
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<tr>
<td>Difficulty:</td>
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### Description

Our ASN.1 parser has been fragile. It's a good candidate for a Rust implementation. The der_parser crate we already use in the SMB code could be a good starting point.

### Related issues:

Related to Task #3195: tracking: rustify all input

### History

#### #1 - 05/09/2019 06:59 PM - Victor Julien
- Tracker changed from Bug to Optimization

#### #2 - 05/23/2019 09:23 PM - Andreas Herz
- Assignee set to Community Ticket
- Target version set to TBD
- Effort set to medium
- Difficulty set to medium

#### #3 - 09/26/2019 08:42 AM - Victor Julien
- Related to Task #3195: tracking: rustify all input added

#### #4 - 04/06/2020 03:39 PM - Emmanuel Thompson

Looking into this

#### #5 - 05/19/2020 02:19 PM - Emmanuel Thompson

Draft PR: [https://github.com/OISF/suricata/pull/4954](https://github.com/OISF/suricata/pull/4954)

#### #6 - 06/08/2020 01:16 PM - Victor Julien
- Status changed from New to In Review
- Assignee changed from Community Ticket to Emmanuel Thompson

#### #7 - 07/08/2020 05:30 PM - Victor Julien
- Status changed from In Review to Closed
- Target version changed from TBD to 6.0.0beta1
- Effort deleted (medium)
- Difficulty deleted (medium)

[https://github.com/OISF/suricata/pull/5145](https://github.com/OISF/suricata/pull/5145)