## Suricata - Bug #3720

### Incorrect handling of ASN1 relative_offset keyword

05/20/2020 06:24 PM - Emmanuel Thompson

<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>
</tr>
<tr>
<td>Target version</td>
<td>6.0.0beta1</td>
</tr>
<tr>
<td>Affected Versions:</td>
<td></td>
</tr>
<tr>
<td>Difficulty</td>
<td>Needs backport</td>
</tr>
<tr>
<td>Label</td>
<td></td>
</tr>
</tbody>
</table>

### Description

The `relative_offset` keyword option allows to read past the front of the buffer with a negative offset, no bounds checking is done on this i32 value and is not relative to the last "content" match.

### Related issues:

- Copied to Bug #3738: Incorrect handling of ASN1 relative_offset keyword - Closed
- Copied to Bug #3739: Incorrect handling of ASN1 relative_offset keyword - Closed

### History

**#1 - 05/20/2020 06:37 PM - Emmanuel Thompson**

https://github.com/OISF/suricata/pull/4966

**#2 - 05/22/2020 08:19 AM - Victor Julien**

- Status changed from New to In Review
- Target version set to 6.0.0beta1
- Label Needs backport added

**#3 - 06/03/2020 11:37 AM - Jeff Lucovsky**

- Copied to Bug #3738: Incorrect handling of ASN1 relative_offset keyword added

**#4 - 06/03/2020 11:37 AM - Jeff Lucovsky**

- Copied to Bug #3739: Incorrect handling of ASN1 relative_offset keyword added

**#5 - 06/09/2020 11:56 AM - Victor Julien**

- Status changed from In Review to Closed

https://github.com/OISF/suricata/commit/be3379f00e30fd4776c62c2b27ca60a92e1