### Suricata - Feature #2816

**vlan: support more than 2 layers**

02/14/2019 10:43 AM - Tony Gumbrell

<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>Jeff Lucovsky</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>7.0.0-rc1</td>
</tr>
<tr>
<td>Label:</td>
<td>Protocol</td>
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</tbody>
</table>

#### Description

When running 2 x 8100 vlan tags within my data the packets are parsed neatly into the eve.json log file in the format "vlan":[123,987]. We have just added a third tag to this data and despite being able to validate the tags in pcaps, the traffic is no longer be parsed into the eve.json log at all.

Is this a system limitation or a bug?

Thanks

#### Related issues:
Related to Optimization #5476: decoder: compact & flexible storage of decoder... Assigned

#### History

**#1** - 02/14/2019 10:44 AM - Victor Julien

Currently Suricata will only deal with a max of 2 vlans per packet.

**#2** - 02/14/2019 10:56 AM - Tony Gumbrell

Thanks for the speedy response. Is it on the roadmap to resolve this?

**#3** - 02/14/2019 10:58 AM - Victor Julien

- Tracker changed from Bug to Feature
- Subject changed from 3 VLAN tags breaks eve.json to vlan: support more than 2 layers
- Affected Versions deleted (4.1)

Not yet, but you're not the first to bring this up. So I think it should be addressed.

**#4** - 05/23/2019 09:40 PM - Andreas Herz

- Assignee set to OISF Dev
- Target version set to TBD

**#5** - 09/26/2019 08:58 AM - Victor Julien

- Target version changed from TBD to 6.0.0beta1

**#6** - 01/30/2020 01:26 PM - Victor Julien

- Label Protocol added

**#7** - 04/13/2020 03:22 PM - Victor Julien

- Status changed from New to Assigned
- Assignee changed from OISF Dev to Victor Julien

**#8** - 08/04/2020 05:04 AM - Victor Julien

- Target version changed from 6.0.0beta1 to 7.0.0-beta1

12/16/2022
#9 - 08/01/2022 04:35 PM - Victor Julien
- Related to Optimization #5476: decoder: compact & flexible storage of decoder data in the packet added

#10 - 08/07/2022 08:51 PM - Jeff Lucovsky
- Status changed from Assigned to In Review
- Assignee changed from Victor Julien to Jeff Lucovsky

https://github.com/OISF/suricata/pull/7700

#11 - 10/25/2022 09:14 AM - Victor Julien
- Target version changed from 7.0.0-beta1 to 7.0.0-rc1