**Suricata - Feature #962**

Can I log the mac address of the source?

09/16/2013 10:23 AM - 冠宇 陳

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>Sascha Steinbiss</td>
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<td>Category:</td>
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<td>Target version:</td>
<td>6.0.0beta1</td>
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<td>Effort:</td>
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<td>Difficulty:</td>
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**Description**

Knowing the mac address can help us about knowing the attacker. So can suricata log the mac address? Like the -e option in snort?

Thanks for help.

**Related issues:**

- Related to Task #2309: SuriCon 2017 brainstorm  
  Related to Bug #1711: eve: Ethernet Header Missing From Packet Field

**History**

#1 - 09/16/2013 10:33 AM - Victor Julien

We don't have a similar option. How are the mac addresses logged with -e in Snort?

#2 - 10/26/2013 10:21 AM - Victor Julien

- Target version set to TBD

#3 - 01/03/2014 12:52 AM - Song Liu

In NFQ mode, we don't have MAC address, because it is layer 3.

#4 - 02/16/2016 04:01 PM - Andreas Herz

That's a feature request. Did anyone already looked into that? I did just test it with snort in sniffer mode (-vCd -i $DEVICE -e) which we don't have exactly, but could be useful in normal IDS mode as well.

#5 - 02/16/2016 04:01 PM - Andreas Herz

- Tracker changed from Support to Feature
- Assignee set to OISF Dev

#6 - 11/28/2017 08:51 AM - Victor Julien

- Status changed from New to Assigned
- Assignee changed from OISF Dev to Eric Leblond
- Target version changed from TBD to 70

#7 - 12/01/2017 05:12 AM - Victor Julien

- Related to Task #2309: SuriCon 2017 brainstorm added

#8 - 04/14/2018 07:23 AM - Victor Julien

At the team meeting in Amsterdam 2018 we agreed on the following:

- for packets, log mac src/dst as a scalar field in eve
- for flows, log mac src/dst as lists in eve

Field names should be different to avoid type confusion (e.g. src_mac vs src_macs?)

Alerts will log based on packet, but can add mac addrs from flow too.

#9 - 11/16/2018 10:26 PM - Raymond Hansen

02/26/2022 1/2


- Assignee changed from Eric Leblond to Sascha Steinbiss

#10 - 07/22/2019 11:08 AM - Victor Julien
- Related to Bug #1711: eve: Ethernet Header Missing From Packet Field added

#11 - 03/02/2020 05:25 PM - Sascha Steinbiss
Just taking a look at this atm.

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Alerts will log based on packet, but can add mac addrs from flow too.

I am wondering how to decide whether something is to be logged as flow or packet. Would it be enough to look at p->flow in CreateJSONHeader and see if the *pktcnt values there indicate >1 packet?

Also, am I correct in assuming that in order to log a list of MAC addresses, one would need to gather and update that during packet->flow assignment? Can you suggest a good suitable place to do that in the code? FlowHandlePacketUpdate?

Thanks!

#12 - 03/03/2020 02:15 PM - Sascha Steinbiss
Sascha Steinbiss wrote in #note-11:

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I think I've at least found a starting point: https://github.com/satta/suricata/commit/ac09ed3d3b85c76c0bb38795e0f0ab11466f67b

#13 - 08/07/2020 02:00 PM - Victor Julien
- Status changed from Assigned to Closed
- Target version changed from 70 to 6.0.0beta1

https://github.com/OISF/suricata/pull/5255