### Suricata - Bug #697

**ERRCODE: SC_ERR_PCRE_MATCH with IPv6 address/subnet with suppress rule**

01/06/2013 11:17 AM - Jamie Strandboge

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Jamie Strandboge</td>
</tr>
<tr>
<td>Category:</td>
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<tr>
<td>Target version:</td>
<td>1.4.1</td>
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<td>Affected Versions:</td>
<td></td>
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<tr>
<td>Effort:</td>
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<td>Difficulty:</td>
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<td>Label:</td>
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**Description**

Suppress rules like the following:

```
suppress gen_id 1, sig_id <id>, track by_dst, ip fe80::/16
```

fail with the following:

```
6/1/2013 -- 10:02:28 - <Error> - [ERRCODE: SC_ERR_PCRE_MATCH(2)] - pcre_exec parse error, ret -1, string , track by_dst, ip fe80::/16
```

This is because DETECT_SUPPRESS_REGEX is only valid for IPv4 addresses:

```
#define DETECT_SUPPRESS_REGEX "^,\s*track\s*(by_dst|by_src)\s*,\s*ip\s*([\d.:/]+)*\s*$"
```

Adjusting this to the following seems to fix the issue:

```
#define DETECT_SUPPRESS_REGEX "^,\s*track\s*(by_dst|by_src)\s*,\s*ip\s*([\da-f.:/]+)*\s*$"
```

I used `[\da-f.:]+`. Could also probably use `[[:xdigit:]./]+` but OTOH I wasn't sure if that would allow A-F and how suricata would handle addresses with upper case if it did.

### History

**#1 - 01/06/2013 11:18 AM - Jamie Strandboge**

- File fix-ipv6-suppress.patch added

Here is a patch against 1.4 for the above.

**#2 - 01/09/2013 10:26 AM - Victor Julien**

The regex needs to handle the "case", so I think it should be A-Fa-f.

I prefer patches through github, care to do one?

**#3 - 01/11/2013 07:26 AM - Jamie Strandboge**

I submitted an updated patch using [https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Contributing_to_Suricata](https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Contributing_to_Suricata). Not sure if it was required for a patch of this size, but I also signed the contributor agreement.

**#4 - 01/11/2013 07:27 AM - Jamie Strandboge**

I should've mentioned, I used `git send-email --to oisf-devel@openinfosecfoundation.org ...` before I subscribed to oisf-devel@, so it may need to be moderated.

**#5 - 01/14/2013 07:17 AM - Victor Julien**

- Status changed from New to Closed
- Assignee set to Jamie Strandboge
- Target version set to 1.4.1

Merged into master and master-1.3.x, thanks a lot Jamie.

I did some minimal testing with suppress rules to confirm it works, which it does.

### Files