### Description

This request came up at Suricon2018, but has come up before. The idea is to turn much of Suricata into a library that can be reused in other tools.

The first step would be to define some of the use cases we'd like to initially support so that an API could be designed for that.

### Subtasks:

<table>
<thead>
<tr>
<th>Task #</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>4682</td>
<td>tracking: clean up globals and thread locals</td>
<td>New</td>
</tr>
<tr>
<td>4683</td>
<td>detect: remove sigmatch_table in favor of a dynamic storage option</td>
<td>New</td>
</tr>
<tr>
<td>4684</td>
<td>libsuricata: define global context types for instance and per thread storage</td>
<td>New</td>
</tr>
<tr>
<td>4698</td>
<td>Example program to bootstrap Suricata (an alternate main() for Suricata)</td>
<td>Assigned</td>
</tr>
</tbody>
</table>

### Related issues:

- Related to Task #2685: SuriCon 2018 brainstorm  - Assigned
- Related to Task #4097: Suricon 2020 brainstorm  - Assigned
- Related to Task #4221: Build Suricata into a static and shared library  - Closed
- Related to Task #4429: libsuricata: Use cases with examples  - New
- Related to Task #4101: tracking: plugins  - In Progress
- Related to Task #4704: unix-socket: separate functionality from the unix sock...  - New
- Related to Task #4742: Make the auto-generated config.h not conflict with oth...  - Assigned
- Related to Task #5433: tracking: reduce number of public data structures  - Assigned

### History

**#1 - 11/21/2018 09:20 AM - Victor Julien**
- Related to Task #2685: SuriCon 2018 brainstorm added

**#2 - 05/23/2019 09:48 PM - Andreas Herz**
- Assignee set to Community Ticket

**#3 - 04/17/2020 10:27 AM - Victor Julien**
- Assignee changed from Community Ticket to OISF Dev

**#4 - 04/17/2020 10:45 AM - Victor Julien**
- Description updated

**#5 - 04/17/2020 10:46 AM - Victor Julien**
One of the use cases that has been brought forward is to be able to integrate the Suricata detection and logging into OVS.

**#6 - 11/02/2020 07:42 PM - Victor Julien**
- Related to Task #4097: Suricon 2020 brainstorm added

**#7 - 11/24/2020 09:21 AM - Victor Julien**
- Tracker changed from Feature to Task
- Subject changed from libsuricata to tracking: libsuricata
- Status changed from New to Assigned
- Assignee changed from OISF Dev to Jason Ish
- Target version changed from TBD to 7.0rc1

#8 - 12/16/2020 03:21 PM - Jason Ish
- Related to Task #4221: Build Suricata into a static and shared library added

#9 - 05/31/2021 05:01 PM - Jason Ish
- Related to Task #4429: libsuricata: Use cases with examples added

#10 - 09/20/2021 06:48 PM - Jason Ish
- Related to Task #4101: tracking: plugins added

#11 - 09/23/2021 02:24 PM - Jason Ish
- Related to Task #4704: unix-socket: separate functionality from the unix socket interface added

#12 - 10/07/2021 04:51 PM - Jason Ish
- Related to Task #4742: Make the auto-generated config.h not conflict with other config.h. added

#13 - 10/11/2021 02:15 PM - Jason Ish
- Status changed from Assigned to In Progress

#14 - 07/01/2022 02:22 PM - Victor Julien
- Related to Task #5433: tracking: reduce number of public data structures added