**Suricata - Task #3343**

**Tracking: developer documentation**

11/19/2019 01:00 PM - Victor Julien

<table>
<thead>
<tr>
<th>Status</th>
<th>Assigned</th>
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<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee</td>
<td>Victor Julien</td>
</tr>
<tr>
<td>Category</td>
<td></td>
</tr>
<tr>
<td>Target version</td>
<td>6.0.0rc1</td>
</tr>
<tr>
<td>Effort</td>
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<tr>
<td>Difficulty</td>
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<tr>
<td>Label</td>
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**Description**

Goal is to create a developer guide similar to the user guide. So it will also live in the git repo and will using sphinx for the higher level guides.

For low level, we will continue to use doxygen.

In addition, for the Rust and Python components we need to support other low level frameworks as well like rustdoc.

**Provisional TOC (will update as needed)**

TOC

- working with the codebase
  - contributing
    - process (github)
  - quality requirements
  - style
  - debugging
  - performance
    - concepts
    - analysis and tooling

- internals
  - packet pipeline
  - threading
  - common data structures

- extending
  - capture methods
  - packet decoders
  - app-layer protocols
  - detection
  - outputs

Existing documentation can be found here [https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Suricata_Developers_Guide](https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Suricata_Developers_Guide). Much of this is outdated, so we shouldn’t just copy it over. But it may be a good starting point for some of the new docs.

**Subtasks:**

<table>
<thead>
<tr>
<th>Task #</th>
<th>Description</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>3344</td>
<td>devguide: setup sphinx</td>
<td>Closed</td>
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<tr>
<td>3363</td>
<td>devguide: set up rustdoc to generate low level rust docs</td>
<td>Assigned</td>
</tr>
<tr>
<td>3365</td>
<td>Research: can we use doxygen to validate completeness of low level docs</td>
<td>New</td>
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**History**

#1 - 11/19/2019 01:03 PM - Victor Julien

- Description updated

#2 - 05/01/2020 12:02 PM - Victor Julien
Basic structure with above TOC has been set up [https://github.com/OISF/suricata/pull/4904](https://github.com/OISF/suricata/pull/4904)