System Structure

# Description

This document describes FOSSology-Ninka’s internal and external components.

# Changelog

|  |  |  |
| --- | --- | --- |
| Date: | Action | Who |
| 01/27/2014 | Created Prototype | Doug Richardson |
| 02/02/2014 | Uploaded to google drive, updated file content. Updated License Declaration | Doug Richardson |
| 02/03/2014 | Moved into final report | James Thompson |
| 02/26/2014 | Added document description | Jon von Kampen |

# System Structure

The system will, by default, have all the structures and databases associated with FOSSology and Ninka. Refer to the documentation of those systems for more information.

On top of the structures built in to and required for the use of FOSSology and Ninka, the system is planned to have the following elements:

1. Text file output from FOSSology and Ninka on the command line (if such output is not already supported) (M)[[1]](#footnote-1)
2. A script to run FOSSology and Ninka on a given piece of software. (S)
   1. FOSSology and Ninka will probably be run in sequence because of anticipated resource constraints. Ideally, the script would run the tools in parallel.
3. A reader that will parse the output files and created a combined middle-document indicating the licenses concluded for a given piece of software (M).
4. An SPDX generator that will read the combined file and output it to an SPDX document (S).
5. A web-interface to do a tandem-scan of FOSSology and Ninka, and return an SPDX page (W).

1. Implementation of each element is prioritized according to the MoSCoW model: (M)ust-have, (S)hould-have, (C)ould-have, and (W)ould-have. [↑](#footnote-ref-1)