System Service Request

# Description

This document describes the anticipated hardware/software system resources required by the FOSSology-Ninka project.

# Changelog

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| --- | --- | --- |
| Date: | Action | Who |
| 01/27/2014 | Created Prototype | Doug Richardson |
| 01/29/2014 | Uploaded to Google Docs | James Thompson |
| 02/03/2014 | Updated License Notice and optimal environment requirements | Doug Richardson |
| 02/03/2014 | Moved into final report | James Thompson |
| 02/21/2014 | Clarified that all members will be using Ubuntu 12.04 linux on our virtual machines | Doug Richardson |
| 02/26/2014 | Added document description | Jon von Kampen |

# System Service Request

Our project will sequentially scan a given piece of software with FOSSology and Ninka and combine their output into a single SPDX document. In order to do this we will need the following tools.

## Minimal Required Development Environment

* A Linux based computer or virtual machine
  + If developers use independent systems, the Linux distribution should be standardized
* Apache 2.x
* MySQL
* Postgres 8.3 or higher
* PHP 5
* Perl with cpan and the Text::Template module
* FOSSology
* Ninka

## Optimal Development Environment

A dedicated development server shared by all developers will save time and resources and prevent “overlap” issues. A dedicated server will also enable us to test our tool as a remotely accessible web application should we reach that point. The server will function as both a web server and a database to simplify collaboration on a single system.

The dedicated system should meet the minimal requirements above, but ideally will have sufficient processing power, memory, and disk storage to emulate real-world scale use of FOSSology, Ninka, and our tool.

It is a possible compromise to use a minimal or less-powerful system at the beginning of the project, then upgrade or move to more powerful hardware when the document generator portion of the tool is ready for full-scale testing.