

# Use Cases

## I. Installation

**Name:** Installation

**Actors:** Initiated by the system administrator

**Entry Conditions:** System is Ubuntu 12.04

**Flow of Events:**

1. Administrator installs FOSSology 2.0 on the Ubuntu system  
[http://www.fossology.org/projects/fossology/wiki/Install\\_2\\_0](http://www.fossology.org/projects/fossology/wiki/Install_2_0)
2. Administrator installs our system (Ninka is included in the source)  
Administrator downloads our source code from the github repository and copies the files from the "src" folder into /var/www/ (or another custom apache website location)  
Configure Apache server to execute CGI on the cgi folder
3. Administrator installs the JSON perl module  
<http://search.cpan.org/~makamaka/JSON-2.53/lib/JSON.pm>
4. Administrator installs and configures mail server
  - a. Administrator installs mailutils, sharutils, ssmtp
  - b. Administrator edits ssmtp config file for sending outgoing e-mail  
(Assuming you are using a gmail account for smtp): Remove everything in /etc/ssmtp/ssmtp.conf and replace it with:  
mailhub=smtp.gmail.com:587  
AuthUser=[xxxx@gmail.com](mailto:xxxx@gmail.com)  
AuthPass=xxxx  
FromLineOverride=YES  
UseSTARTTLS=YES

## II. Web Interface

**Name:** Web Interface

**Actors:** Initiated by the users

**Entry Conditions:** User is at the main page of the web site running Ninkology.

**Flow of Events:**

1. User chooses a file/archive to upload to Ninkology.
2. User then hits the submit button.
3. User will receive an e-mail with the combined SPDX result

### **III. Command Line**

**Name:** Command Line

**Actors:** Initiated by the user

**Entry Conditions:** User calls the program from command line

**Flow of Events:**

1. User runs the scanarchive.pl program.  
Ex: ./scanarchive [options] File\_Name/Archive\_Name
2. The output from scanarchive.pl is converted into JSON and combined into an SPDX document in JSON format.
3. User is provided with an SPDX file in their current directory.