



fossology

Latest News and Future Plans

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Open Source License Compliance by Open Source Software

- www.fossology.org
- github.com/fossology/fossology

Quick Start / Try Yourself

You can run an instance of FOSSology locally using Docker via the command:

```
$ docker run -p 8081:80 fossology/fossology
```

After that you can reach the server locally on <http://localhost:8081/repo>.

The default user is `fossy` with password `fossy`.



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Getting Started with FOSSology

Version: [3.4.0], Branch: [HEAD], Commit: [#bd076c] 2018/11/29 10:09 UTC built @ 2019/03/10 09:25 UTC

[Login](#)

FOSSology is a framework for software analysis tools. With it, you can:

- Upload files into the fossology repository.
- Unpack files (zip, tar, bz2, iso's, and many others) into its component files.
- Browse upload file trees.
- View file contents and meta data.
- Scan for software licenses.
- Scan for copyrights and other author information.
- View side-by-side license and bucket differences between file trees.
- Tag and attach notes to files.
- Report files based on your own custom classification scheme.

Where to Begin...

- The menu at the top contains all the primary capabilities of FOSSology.
- **Login**: Depending on your account's access rights, you may be able to upload files, schedule analysis tasks, or even add new users.

This login uses HTTP, so passwords are transmitted in plain text. This is not a secure connection.

Username:

Password:

Update:

Obligations

Obligations are “translated” todos

created from the often complicated license texts

Obligations can represent

Rights

Obligations

Restrictions

Risks

Obligations can be queried

One can search the topic Commercial Use and see a list of licenses which contain

- a right or

- a

restriction

related to commercial use.

Update:

Unified Report

Unified Report

- For internal use instead of distribution
- Contains reasons behind decisions and determined risks
- The Unified Report externalizes the FOSSology database data

Unified Report

contains:

Update:

**FOSSology is a
starting project in
ACT**

ACT

The Automated Compliance Tooling Project is an
“Umbrella” Project at the Linux Foundation

ACT

Has four starting projects:

- FOSSology
- QMSTR
- Tern
- SPDX
Tools

Update:

**Agents independent
as CLI tools**

Agents independent as CLI tools

```
$ nomos -J LICENSE  
["GPL-2.0", "LGPL-2.1"]
```

Agents independent as CLI tools

```
$ monk -s knowledgebaseFile # extracts data from the DB
$ monk -k knowledgebaseFile -J LICENSE
[
  {
    "license": "GPL-2.0",
    "rank": 88,
    [...]
  },
  {
    "license": "LGPL-2.1+",
    "rank": 99,
    [...]
  }
]
```

Agents independent as CLI tools

```
$ copyright hello-2.10/AUTHORS ::  
hello-2.10/AUTHORS ::  
  [25:92:statement] 'Copyright (C) 1999, 2005, 2006, 2014 Fr  
  [224:273:statement] 'copyright notice and this notice are  
  [0:21:author] 'Authors of GNU Hello.'
```

Update / Future Plans:

REST

FOSSology now incorporates

a REST frontend,

which can be used to automate interaction.

REST allows you, to

- upload source code
- start jobs
- download reports
- manage folders
- ...

automatically

Future Plans:

New scanners

Atarashi (新しい)

**A non-rule based
scanner**

It uses text statistics and information retrieval

Atarashi (新しい)

It was developed by Aman Jain as a GSoC project and can be found at <https://github.com/fossology/atarashi>

Atarashi (新しい)

It searches for:

- SPDX-license-identifier
- License Header
- License FullText

A scanner based on

Machine Learning

Learn based on the decisions and conclusions made in
FOSSology

Questions?

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