Latest News and
Future Plans
I am

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- www.fossology.org
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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.
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.
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
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 ::
[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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