



Lab – FOSSology

Lab Contents

This lab purpose is to install and use FOSSology to analyze licenses included in software components.

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Overview of the FOSSology Lab

Objectives

At the end of the Lab students should be able to install FOSSology, use it to upload a full software stack and analyze its licenses.

Expected duration : 60 minutes



Reference documents

When dealing with the installation and configuration of FOSSology, the first approach is to look at some reference documents:

The User and Sysadmin **Key Documentation** and **Installation** and **Package structure** notes at <http://www.fossology.org/projects/fossology/wiki> as well as **man pages**

The **Wiki** at <http://www.fossology.org/projects/fossology/wiki> contains many other useful docs to understand the project.

Most of the documentation is provided currently under a wiki format, so contributors are welcome and expected, including those finding issues in that training material, available as an OpenDocument Format text.

Reach project members at [http://www.fossology.org/projects/fossology/wiki/Contact Us](http://www.fossology.org/projects/fossology/wiki/Contact_Us). The general mailing-list dealing with FOSSology is available at <http://lists.fossology.org/pipermail/fossology/> and forums are also available at <http://www.fossology.org/projects/fossology/boards>

Estimated time for the lab is placed in front of each part.

Environment setup

Estimated time: 10 minutes

FOSSology installation

On the VM used for this Lab, an operational FOSSology instance has already been installed in order to ease this part that you then can skip. For those of you interested by the installation and initial setup phase, please continue to read this section. You'll first have to remove all fossology packages installed by doing

FOSSology's source code is available externally from <http://www.fossology.org/projects/fossology/wiki/Download>. But instead of starting from code, I much recommend using packages (which are produced with my own project-builder.org tool ;-)) available at <http://www.fossology.org/releases/>

Version 2.1.1 is the current stable release. Packages are also available for various Linux distributions.

As the Lab has been prepared on a Debian 6 system, I recommend that you use apt to do the installation. For that, please read the specific documentation available at http://www.fossology.org/projects/fossology/wiki/Debian_Install_2_1.

You may also find that reading useful: <http://www.antelink.com/blog/how-install-your-own-fossology-instance.html>

In short, what you have to do is to adapt your apt configuration to point to the FOSSology repository in addition to the one you have.

So add the reference to the FOSSology repository to your `/etc/apt/sources.list` file:

```
# cat >> /etc/apt/sources.list << EOF
```



```
deb http://fossology.org/releases/2.1.1/Debian 6.0 contrib
```

```
EOF
```

Then use apt to install the application with all its dependencies and check that the correct version is installed and operational:

```
# apt-get clean
```

```
# apt-get update
```

```
Get:1 http://security.debian.org squeeze/updates Release.gpg [836 B]
```

```
[...]
```

```
Get:16 http://ftp.fr.debian.org squeeze-updates/main amd64 Packages [4,661 B]
```

```
Fetched 11.8 MB in 26s (442 kB/s)
```

```
Reading package lists... Done
```

```
# apt-get install fossology
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
The following extra packages will be installed:
```

```
apache2-mpm-prefork apache2-utils apache2.2-bin apache2.2-common
cabextract fossology-agents-single fossology-common fossology-db
fossology-scheduler-single fossology-web-single genisoimage libapache2-
mod-php5 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
libelf1 libewf1 libextractor-plugins libextractor1c2a libflac8 liblua5.1-0
libmpeg2-4 libnspr4-0d libnss3-1d libogg0 libonig2 libopenjpeg2
libpoppler5 libpq5 libqdbm14 librpm1 librpmbuild1 librpmio1 libtsk3-3
libucl1 libvorbis0a libvorbisfile3 php-pear php5-cli php5-common php5-
pgsql php5-suhosin poppler-utils postgresql-8.4 postgresql-client-8.4
postgresql-client-common postgresql-common rpm rpm-common rpm2cpio
sleuthkit ssl-cert unrar-free upx-ucl
```

```
Suggested packages:
```

```
apache2-doc apache2-suexec apache2-suexec-custom wodim cdrkit-doc
libextractor-java python-extractor php5-dev oidentd ident-server
postgresql-doc-8.4 alien elfutils rpm-ii18n openssl-blacklist pike
```

```
The following NEW packages will be installed:
```

```
apache2-mpm-prefork apache2-utils apache2.2-bin apache2.2-common
cabextract fossology fossology-agents-single fossology-common fossology-db
fossology-scheduler-single fossology-web-single genisoimage libapache2-
mod-php5 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
libelf1 libewf1 libextractor-plugins libextractor1c2a libflac8 liblua5.1-0
libmpeg2-4 libnspr4-0d libnss3-1d libogg0 libonig2 libopenjpeg2
libpoppler5 libpq5 libqdbm14 librpm1 librpmbuild1 librpmio1 libtsk3-3
```



```
libucl1 libvorbis0a libvorbisfile3 php-pear php5-cli php5-common php5-
pgsql php5-suhosin poppler-utils postgresql-8.4 postgresql-client-8.4
postgresql-client-common postgresql-common rpm rpm-common rpm2cpio
sleuthkit ssl-cert unrar-free upx-ucl

0 upgraded, 56 newly installed, 0 to remove and 23 not upgraded.
Need to get 35.3 MB of archives.
After this operation, 87.5 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
WARNING: The following packages cannot be authenticated!

    fossology-common  fossology-db  fossology-web  fossology-scheduler
fossology-ununpack fossology-copyright fossology-nomos

    fossology-pkgagent  fossology-buckets  fossology-mimetype  fossology-
delagent fossology-wgetagent fossology

Install these packages without verification [y/N]? y
Get:1 http://ftp.fr.debian.org/debian/ squeeze/main libaprl amd64 1.4.2-
6+squeeze4 [94.1 kB]
[...]
Setting up fossology (2.1.1-1) ...
Database connectivity is good.
FOSSology postinstall complete, but sure to complete the remaining
    steps in the INSTALL instructions.
Starting FOSSology job scheduler: fossology.
# ps auxww | grep fosso
  fussy      3860   0.0   0.4 121432   4232 ?                Ssl   14:59    0:00
/usr/share/fossology/scheduler/agent/fo_scheduler --daemon --reset
--verbose=1
postgres   3861   0.0   0.9 107420   9572 ?                Ss    14:59    0:00 postgres:
fussy fossology 127.0.0.1(35105) idle
root       3898   0.0   0.0   7544    820 pts/0          S+   15:02    0:00 grep
fosso
```

FOSSology setup

Then you'll have to perform the post installation phase as described at <http://fossology.svn.sourceforge.net/viewvc/fossology/tags/2.1.0/fossology/install/INSTALL>

In short, what you have to do is to adapt your kernel, postgresql, PHP and apache configurations.



Adjust the maximum amount of shared memory for your kernel:

```
# cat >> /etc/sysctl.conf << EOF

# For FOSSology

kernel.shmmax=512000000

EOF

# sysctl -p

kernel.shmmax = 512000000
```

Adjust the PostgreSQL configuration:

```
# perl -pi -e "s/#listen_addresses[\s]*=.*\/listen_addresses = '*'\/"
\/etc\/postgresql\/8.4\/main\/postgresql.conf

# /etc/init.d/postgresql restart

Restarting PostgreSQL 8.4 database server: main.
```

Adjust the PHP configuration:

```
# perl -pi -e "s/max_execution_time[\s]*=.*\/max_execution_time = 90\/"
\/etc\/php5\/apache2\/php.ini

# perl -pi -e "s/memory_limit[\s]*=.*\/memory_limit = 702M\/"
\/etc\/php5\/apache2\/php.ini

# perl -pi -e "s/post_max_size[\s]*=.*\/post_max_size = 701M\/"
\/etc\/php5\/apache2\/php.ini

# perl -pi -e "s/upload_max_filesize[\s]*=.*\/upload_max_filesize =
700M\/" /etc/php5/apache2/php.ini

# /etc/init.d/apache2 restart

Restarting web server: apache2apache2: Could not reliably determine the
server's fully qualified domain name, using 127.0.1.1 for ServerName
```

An apache configuration file is provided as part of the installation and can be found at `/etc/apache2/sites-enabled/fossology.conf`

Pointing a browser to the initial URL (<http://localhost/repo/>) should give you the welcome page of FOSSology as shown below:

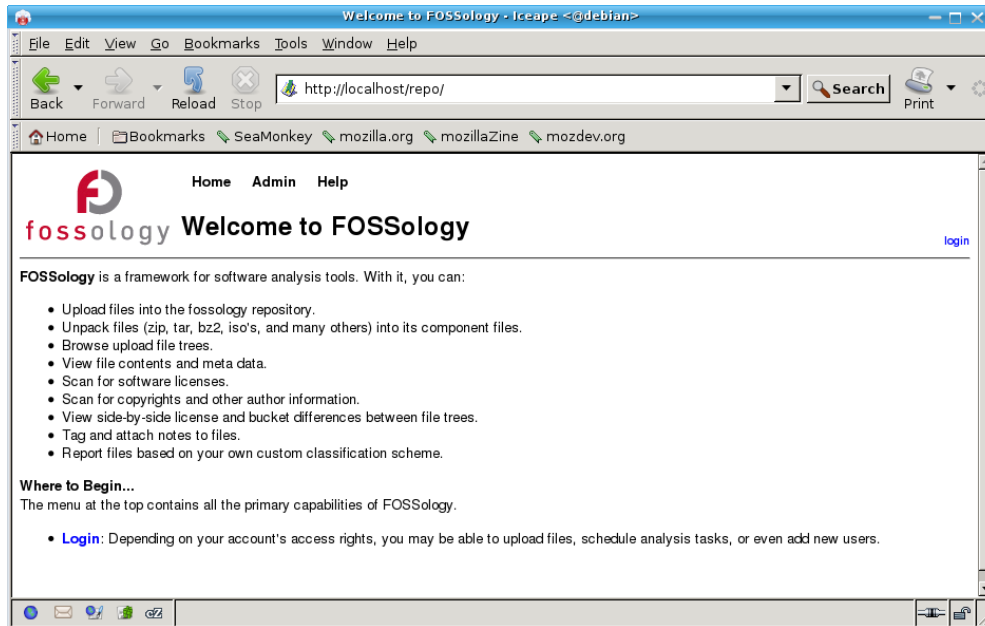


Illustration 1: FOSSology welcome page

FOSSology first steps

Estimated time: 30 minutes

The goal of this part is to allow you to upload a first code example and analyze its licenses.

Login

You'll first have to log in in order to be able to use FOSSology. By default during installation, an administrative account having all rights is created. Account is `fossy` with a passwd of `fossy`. Use the login menu entry on the right hand side to log in.

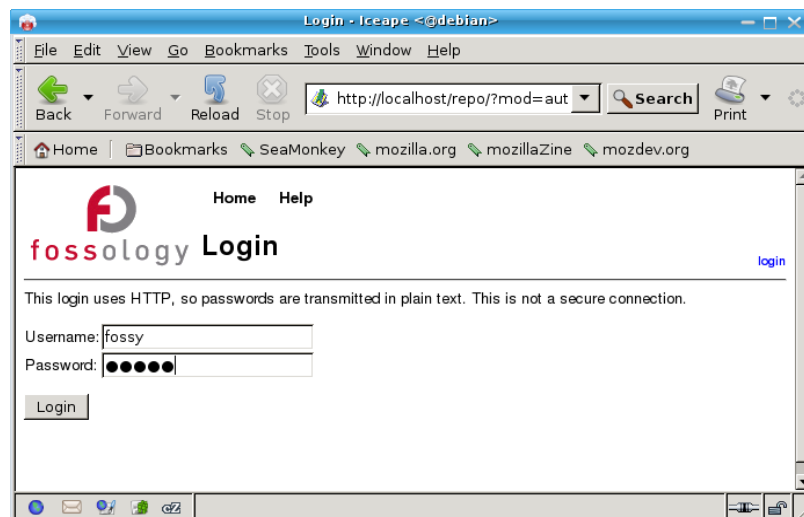


Illustration 2: FOSSology login page

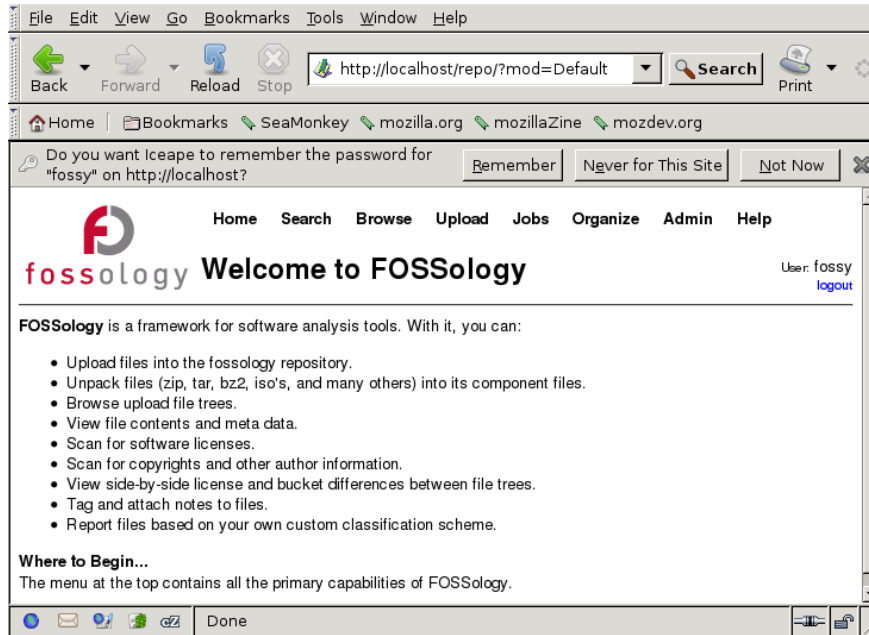


Illustration 3: FOSSology welcome page once logged in

You now have more menu entries at the top of the page, compared to the Illustration 1

Getting help and information

At every time, you can get help through the Help entry of the Web interface and have access to the documentation of the project. You can first have a look at the “getting started” which will give you an overall view of how to use FOSSology. The About menu displays the version of FOSSology and its license. Finally the Documentation menu entry will redirect you to the online documentation available on <http://www.fossoogy.org>. Be

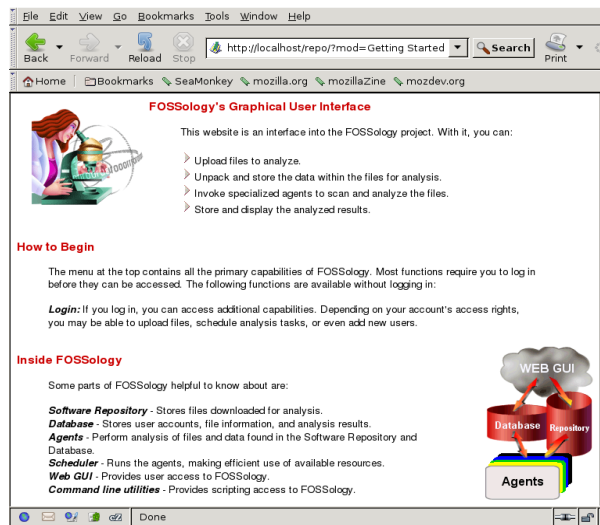


Illustration 4: Getting Started page



warned that you'll access the latest version of the documentation (provided under a wiki format), which may differ from the version of the tool you're using.

If you want to know which are the licenses handled by FOSSology, you can use the "Admin" menu and its "License Admin" entry. You can filter by family name if you're looking for a specific one.

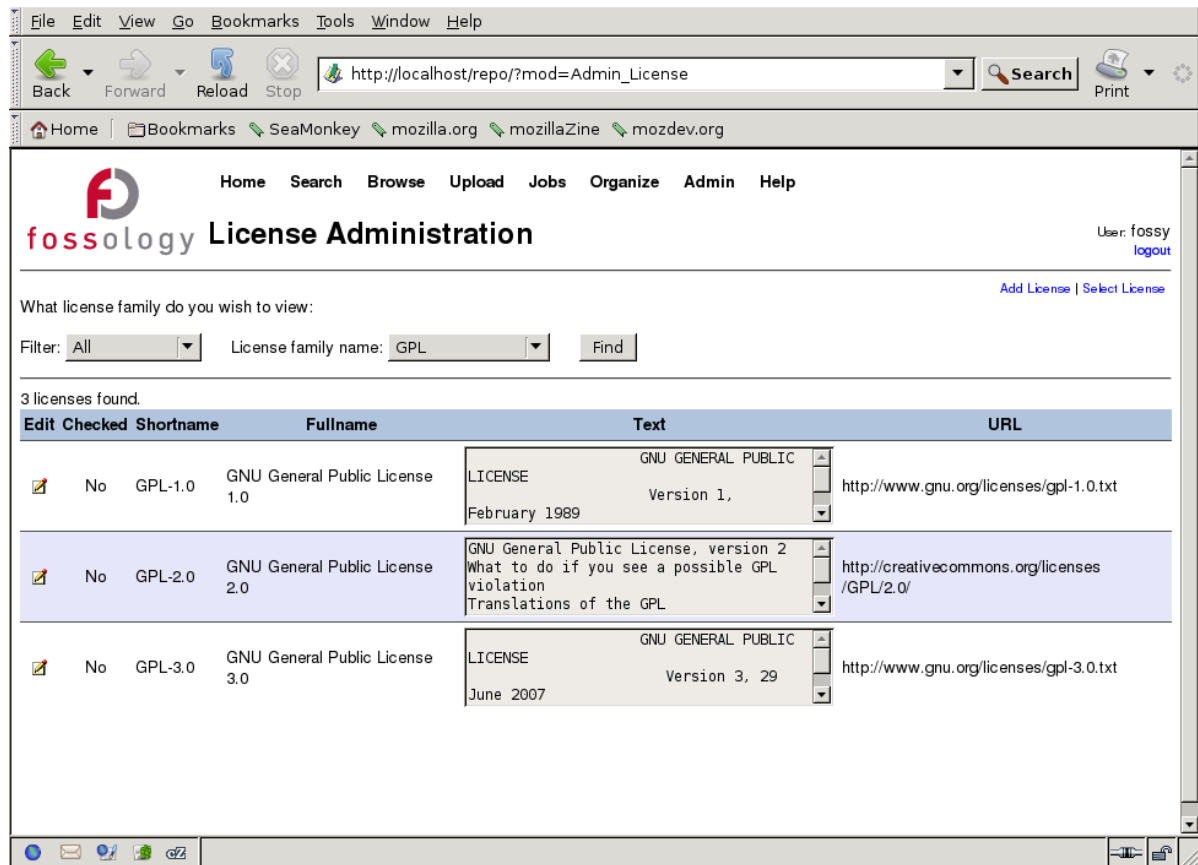


Illustration 5: Viewing Licenses list

Uploading a file for analysis

You'll now upload a first file to launch an analysis by FOSSology on it and detect which licenses are discovered.

We'll start by creating a folder to host our files. In the "Organize" menu, use the "Folder" sub-menu and the "Create" entry to make one.

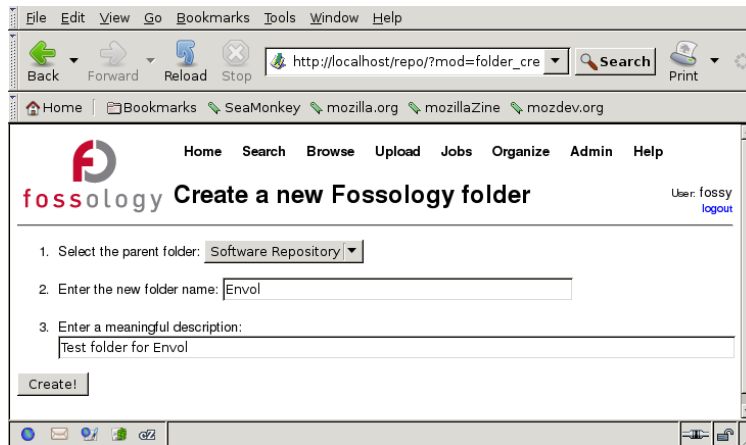


Illustration 6: Folder creation

Now we're ready to upload our first content:

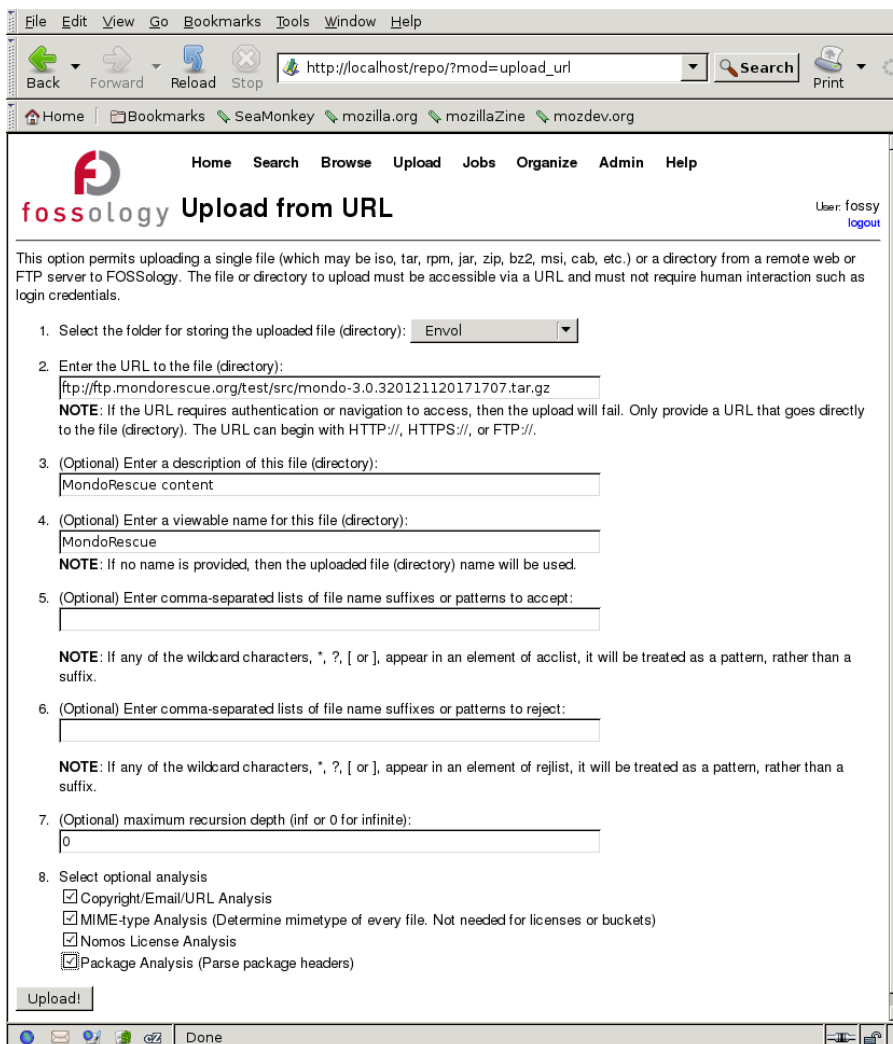


Illustration 7: Upload from URL



Feel free to use a reference to a software you know best in order to have the most interesting results. Once selected, click on "Upload!"

fossology Upload from URL

Close The upload MondoRescue has been scheduled. It is [upload #1](#).

Illustration 8: Upload scheduled

You'll note that your job is first scheduled, before being performed. The system is multi-user and multi-tasks, and some jobs may be huge (example full DVDs) so the need for a scheduling mechanism.

Home Search Browse Upload Jobs Organize Admin Help

fossology Show Jobs User: fossy
[logout](#)

MondoRescue (MondoRescue content)					
Job/Dependency	Status	wget			
1	Completed	wget_agent	1 items	2013-01-11 01:56 - 2013-01-11 01:56	
2 / 1	Completed	ununpack	290 items	2013-01-11 01:56 - 2013-01-11 01:56	
3 / 2	Completed	adjnest	290 items	2013-01-11 01:56 - 2013-01-11 01:56	
4 / 3	Started	copyright		2013-01-11 01:56	Pause Cancel
5 / 3	Completed	mimetype	1 items	2013-01-11 01:56 - 2013-01-11 01:56	
6 / 3	Started	nomos		2013-01-11 01:56	Pause Cancel
7 / 3	Completed	pkgagent		2013-01-11 01:56 - 2013-01-11 01:56	

Illustration 9: Job progress

If the job doesn't appear to progress, then check that FOSSology is running correctly and restart it if needed

```
# /etc/init.d/fossology restart
Restarting FOSSology job scheduler: fossology.
```

Then look at the progresses of your job:

Browsing licenses

Once all the tasks have been performed, look at the result of the analysis by going into menu "Browse" in the "Envol" Repository where you should find your software detailed.

You can look at the "Info" and "History" entries first to verify that the meta data and job info are correct and then click on the project's name to drill into the license analysis. Also feel free to look at the upstream documentation for license analysis available at http://www.fossology.org/projects/fossology/wiki/How_to_Find_Analyzed_License_Information.



[Home](#)
[Search](#)
[Browse](#)
[Upload](#)
[Jobs](#)
[Organize](#)
[Admin](#)
[Help](#)

Browse
User: fossy
[logout](#)

Folder Navigation	Uploads	
Top Expand Collapse Refresh + Software Repository + Envol	Upload Name and Description	Upload Date
	MondoRescue MondoRescue content [View] [Info] [Compare] [Download] [History]	2013-01-03 18:52:25

Illustration 10: Browsing the result

[Home](#)
[Search](#)
[Browse](#)
[Upload](#)
[Jobs](#)
[Organize](#)
[Admin](#)
[Help](#)

License Browser
User: fossy
[logout](#)

Folder: [Software Repository](#) / [Envol](#) / [MondoRescue](#) / [MondoRescue](#) / mondo-3.0.320121120171707

[License Browser](#) | [Bucket Browser](#) | [Copyright/Email/URL](#) | [Browse](#) | [License List](#) | [License List Download](#) | [Search](#) • [View](#) | [Info](#) • [Refresh](#)

Count	Files	License Name	
209	Show	No_license_found	aclocal.m4 FSF ,GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
19	Show	FSF	AUTHORS No_license_found [View] [Info] [Download] [Tag]
17	Show	GPL-2.0+	AUTHORS.pb No_license_found [View] [Info] [Download] [Tag]
15	Show	GPL-2.0	autoscan.log No_license_found [View] [Info] [Download] [Tag]
9	Show	GPL-exception	bootstrap No_license_found [View] [Info] [Download] [Tag]
4	Show	Public-domain	ChangeLog No_license_found [View] [Info] [Download] [Tag]
3	Show	GFDL-1.1	compile GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
1	Show	GFDL-1.1+	config.guess GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
1	Show	GPL	config.h.in No_license_found [View] [Info] [Download] [Tag]
1	Show	MIT	config.sub GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
1	Show	Public-domain-ref	configure FSF ,GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
1	Show	See-doc(OTHER)	configure.in No_license_found [View] [Info] [Download] [Tag]
			configure.scan No_license_found [View] [Info] [Download] [Tag]
			COPYING GPL-2.0 [View] [Info] [Download] [Tag]
			depcomp GPL-2.0+ ,GPL-exception [View] [Info] [Download] [Tag]
			docs/ GFDL-1.1 ,GFDL-1.1+ ,GPL-2.0+ ,No_license_found ,Public-domain [Tag]

Hint: Click on the license name to highlight where the license is found in the file listing.

12 Unique licenses
 72 Licenses found
 209 Files with no licenses
 265 Files

Illustration 11: License analysis



Now explore more the analysis by using the various entries provided by FOSSology.

Deep dive in FOSSology

All the following parts are independent and can be performed in the order of your choice. The simplest are given first, the more complex, also requiring more time at the end.

Comparing software

Estimated time: 10 minutes

Use the instructions presented earlier in to upload another version of your software, and use the Compare feature of the Browse Menu in order to see the differences between your 2 versions with regards to licenses.

The screenshot shows the FOSSology Compare License Browser interface. At the top, there is a navigation menu with links: Home, Search, Browse, Upload, Jobs, Organize, Admin, Help. The user is identified as 'fossy' with a 'logout' link. A filter dropdown is set to '1. Remove duplicate (same hash) files'. The main content area is split into two panels. The left panel shows the 'MondoRescue/' folder with a 'Freeze path' button. Below it, the license information for 'MondoRescue' is displayed, including links for [View], [Info], [Download], and [Tag]. The right panel shows the 'Stable MondoRescue/' folder, also with a 'Freeze path' button. Below it, the license information for 'mondo-3.0.2/' is displayed, including a [Tag] link. At the bottom, two tables compare the license counts for each version. The left table shows 206 files with 'No_license_found' and 19 files with 'FSF'. The right table shows 205 files with 'No_license_found' and 19 files with 'FSF'. The tables are identical, indicating that the license analysis for both versions is the same. At the bottom left, it says 'Elapsed time: 0.03 seconds'. At the bottom right, there is a 'Jump to top' link.

Home Search Browse Upload Jobs Organize Admin Help

fossology Compare License Browser

User: fossy
logout

Filter: 1. Remove duplicate (same hash) files

Jump to histogram
Switch to bucket view

Folder: Software Repository/ Envol/ Freeze path

MondoRescue/

MondoRescue [View][Info]
FSF, GFDL-1.1, GFDL-1.1+, GPL, [Download][Tag]
GPL-2.0, GPL-2.0+, GPL-exception,
MIT, No_license_found, Public-domain,
Public-domain-ref, See-doc(OTHER)

Folder: Software Repository/ Envol/ Freeze path

Stable MondoRescue/
Stable MondoRescue/

mondo-3.0.2/ [Tag]
FSF, GFDL-1.1, GFDL-1.1+, GPL, GPL-2.0,
GPL-2.0+, GPL-exception, GPL_v2-possibility,
MIT, No_license_found, Public-domain, Public-
domain-ref, See-doc(OTHER)

Jump to top

Count	Files	License Name
206	Show	No_license_found
19	Show	FSF
17	Show	GPL-2.0+
15	Show	GPL-2.0
9	Show	GPL-exception
4	Show	Public-domain
3	Show	GFDL-1.1
1	Show	GFDL-1.1+
1	Show	GPL
1	Show	MIT
1	Show	Public-domain-ref
1	Show	See-doc(OTHER)

Count	Files	License Name
205	Show	No_license_found
19	Show	FSF
17	Show	GPL-2.0+
15	Show	GPL-2.0
9	Show	GPL-exception
4	Show	Public-domain
3	Show	GFDL-1.1
2	Show	GPL_v2-possibility
1	Show	GFDL-1.1+
1	Show	GPL
1	Show	MIT
1	Show	Public-domain-ref
1	Show	See-doc(OTHER)

Elapsed time: 0.03 seconds

Jump to top

Illustration 12: Comparing 2 versions



Filter: 0. Remove nothing

[Jump to histogram](#)
[Switch to bucket view](#)

Folder: Software Repository/ Envol/ Freeze path	Folder: Software Repository/ Envol/ Freeze path
MondoRescue/	Stable MondoRescue/
MondoRescue/	Stable MondoRescue/
mondo-3.0.320121120171707/	mondo-3.0.2/
aclocal.m4 [View][Info] FSF, GPL-2.0+, GPL-exception [Download][Tag]	aclocal.m4 [View][Info] FSF, GPL-2.0+, GPL-exception [Download][Tag]
AUTHORS.pb [View][Info] No_license_found [Download][Tag]	AUTHORS.pb [View][Info] No_license_found [Download][Tag]
AUTHORS [View][Info] No_license_found [Download][Tag]	AUTHORS [View][Info] No_license_found [Download][Tag]
autoscanner.log [View][Info] No_license_found [Download][Tag]	
bootstrap [View][Info] No_license_found [Download][Tag]	bootstrap [View][Info] No_license_found [Download][Tag]
ChangeLog [View][Info] No_license_found [Download][Tag]	ChangeLog [View][Info] GPL_v2-possibility [Download][Tag]
compile [View][Info] GPL-2.0+, GPL-exception [Download][Tag]	compile [View][Info] GPL-2.0+, GPL-exception [Download][Tag]

Illustration 13: Difference in comparison

You can use the View button to check whether this is correct or not, and then use the “Edit” link to modify the License info and fix the issue (if this is an issue). Check also that your modifications allow you to remove the differences shown in the previous “Compare License Browser” screenshot. Explore the trees to get more familiar with the possibilities of comparing 2 uploads as time permits. Look also at the documentation available at <http://www.fossology.org/projects/fossology/wiki/Compare-licensediff>

Using CLI to deal with FOSSology

Estimated time: 10 minutes

FOSSology provides some commands in order to perform batch processing of license analysis, if that mode is more convenient for you.

First log on as user fossy, and look at the online help of the cp2foss command

```

# su - fossy
fossy@debian:~$ cp2foss --user fossy
Usage: cp2foss [options] [archives]

Options:
  -h          = this help message
  -v          = enable verbose debugging

```



```
--user string = user name
--password string = password
-c string = Specify the directory for the system configuration

FOSSology storage options:
  -f path = folder path for placing files (e.g., -f 'Fedora/ISOs/Disk
1')
```

You do not need to specify '/System Repository'.

All paths are under '/System Repository'.

```
-A = alphabet folders; organize uploads into folder a-c, d-f, etc.
-AA num = specify the number of letters per folder (default: 3);
implies -A
-n name = (optional) name for the upload (default: name it after the
file)
-e addr = email results to addr
-d desc = (optional) description for the update

FOSSology processing queue options:
  -Q = list all available processing agents
  -q = specify a comma-separated list of agents, or 'all'
NOTE: By default, no analysis agents are queued up.
  -T = TEST. No database or repository updates are performed.
      Test mode enables verbose mode.

FOSSology source options:
  archive = file, directory, or URL to the archive.
      If the archive is a URL, then it is retrieved and added.
      If the archive is a file, then it is used as the source to add.
      If the archive is a directory, then ALL files under it are
      recursively added.
  - = a single hyphen means the archive list will come from stdin.
  -X path = item to exclude when archive is a directory
      You can specify more than one -X. For example, to exclude
```



```
all svn and cvs directories, include the following before the
archive's directory path:
```

```
-X .svn -X .cvs
```

NOTES:

If you use `-n`, then `-n` must be set BEFORE each archive.

If you specify a directory, then `-n` and `-d` are ignored.

Multiple archives can be specified after each storage option.

One example, to load a file into one path:

```
cp2foss \  
--user USER --password PASSWORD \  
-f path -d 'the file' /tmp/file
```

Depricated options:

```
-a archive = (depricated) see archive  
-p path    = (depricated) see -f  
-R         = (depricated and ignored)  
-w         = (depricated and ignored)  
-W         = (depricated and ignored)
```

Then download a project source file and ask FOSSology to analyze it

```
$ wget ftp://ftp.mondorescue.org/src/mindi-2.1.3.tar.gz  
--2013-01-23 20:53:06-- ftp://ftp.mondorescue.org/src/mindi-2.1.3.tar.gz  
=> "mindi-2.1.3.tar.gz"  
Resolving ftp.mondorescue.org... 213.30.161.23  
Connecting to ftp.mondorescue.org|213.30.161.23|:21... connected.  
Logging in as anonymous ... Logged in!  
==> SYST ... done.      ==> PWD ... done.  
==> TYPE I ... done.   ==> CWD (1) /src ... done.  
==> SIZE mindi-2.1.3.tar.gz ... 213290  
==> PASV ... done.     ==> RETR mindi-2.1.3.tar.gz ... done.  
Length: 213290 (208K) (unauthoritative)
```




```

100%
[=====
=====>] 213,290      277K/s   in 0.8s

2013-01-23 20:53:08 (277 KB/s) - "mindy-2.1.3.tar.gz" saved [213290]

fossy@debian:~$ cp2foss --user fossy --password fossy -f Envol -n mindy -d
"Mindy part of MondoRescue project" ./mindy-2.1.3.tar.gz

Loading '/srv/fossology/mindy-2.1.3.tar.gz'

  Uploading to folder: '/Envol'

  Uploading as 'mindy'

  Upload description: 'Mindy part of MondoRescue project'

  UploadPk is: '3'

```

Then use the Web interface to check that the file has been uploaded correctly. You can then start launching some other analysis on this file as only the minimal has been done.

The screenshot shows the FOSSology web interface. At the top, there is a navigation menu with links: Home, Search, Browse, Upload, Jobs, Organize, Admin, Help. The user is identified as 'fossy' with a 'logout' link. The main content area is titled 'Browse' and displays a table of uploads. On the left, there is a 'Folder Navigation' sidebar showing a tree structure with 'Software Repository' expanded and 'Envol' selected. The 'Uploads' table has two columns: 'Upload Name and Description' and 'Upload Date'. It lists three uploads: 'mindy' (Mindy part of MondoRescue project), 'MondoRescue' (MondoRescue content), and 'Stable MondoRescue' (Stable MondoRescue). Each entry includes links for View, Info, Compare, Download, and History.

Folder Navigation		Uploads	
		Upload Name and Description	Upload Date
Top Expand Collapse Refresh + Software Repository - Envol		mindy Mindy part of MondoRescue project [View] [Info] [Compare] [Download] [History]	2013-01-23 20:54:25
		MondoRescue MondoRescue content [View] [Info] [Compare] [Download] [History]	2013-01-03 18:52:25
		Stable MondoRescue Stable MondoRescue [View] [Info] [Compare] [Download] [History]	2013-01-14 15:14:13

Illustration 14: cp2foss result

This is the preferred method to perform the analysis of a large set of components, and also to integrate a FOSSology analysis into a Forge environment.

Using Tags

Estimated time: 10 minutes

TBD



Using Buckets

Estimated time: 25 minutes (TBD)

In order to better understand buckets, use the documentation available at http://www.fossology.org/projects/fossology/wiki/Creating_and_Using_Bucketpools.

There is much more to discover around FOSSology, but I leave that for an update of this document.