

A free, self-hostable aggregator... <http://freshrss.org>

#freshrss #php #feed #rss #rss-aggregator #news-aggregator #self-hosted #rss-reader

3,382 commits			4 branches			35 releases			34 contributors			AGPL-3.0		
Branch: master		New pull request		Find file		Clone or download								
Alkarex committed on GitHub Merge pull request #1549 from FreshRSS/dev												Latest commit f443ee5 on Jun 3		
app	Add support for a new shortcut in reader view											3 months ago		
cli	Simplify readme											3 months ago		
data	Change CSS load order to help CustomCSS extension											3 months ago		
docs	Change main page of english documentation											4 months ago		
extensions	added links to extension repository											9 months ago		
lib	Manual merge upstream SimplePie											3 months ago		
p	Merge pull request #1564 from aledog/open-site-shortcut											3 months ago		
tests	Improve search: intitle, author, inurl											5 months ago		
CHANGELOG.md	Final changes 1.7.0											3 months ago		
CONTRIBUTING.md	Add Contributing file in beta branch											3 years ago		
CREDITS.md	adding mszkb to credits											3 months ago		
LICENSE	Modif du fichier README + l'application s'appellera désormais FreshRSS											5 years ago		
README.fr.md	Move default configuration files											4 months ago		
README.md	More git readme											3 months ago		
config-user.default.php	sides_close_article: keep current default setting											3 months ago		
config.default.php	Move default configuration files											4 months ago		
constants.php	Final changes 1.7.0											3 months ago		
force-https.default.txt	Move force-https.default.txt											4 months ago		
index.html	Config allow robots											2 years ago		
index.php	HTTP Auth : améliorations + changelog											4 years ago		

## README.md

- [Version française](#)

## FreshRSS

FreshRSS is a self-hosted RSS feed aggregator such as [Leed](#) or [Kriss Feed](#).

It is at the same time lightweight, easy to work with, powerful and customizable.

It is a multi-user application with an anonymous reading mode. It supports [PubSubHubbub](#) for instant notifications from compatible Web sites. There is an API for (mobile) clients, and a [Command-Line Interface](#). Finally, it supports [extensions](#) for further tuning.

- Official website: <http://freshrss.org>
- Demo: <http://demo.freshrss.org/>
- License: [GNU AGPL 3](#)



## Releases

See the [list of releases](#).

## About branches

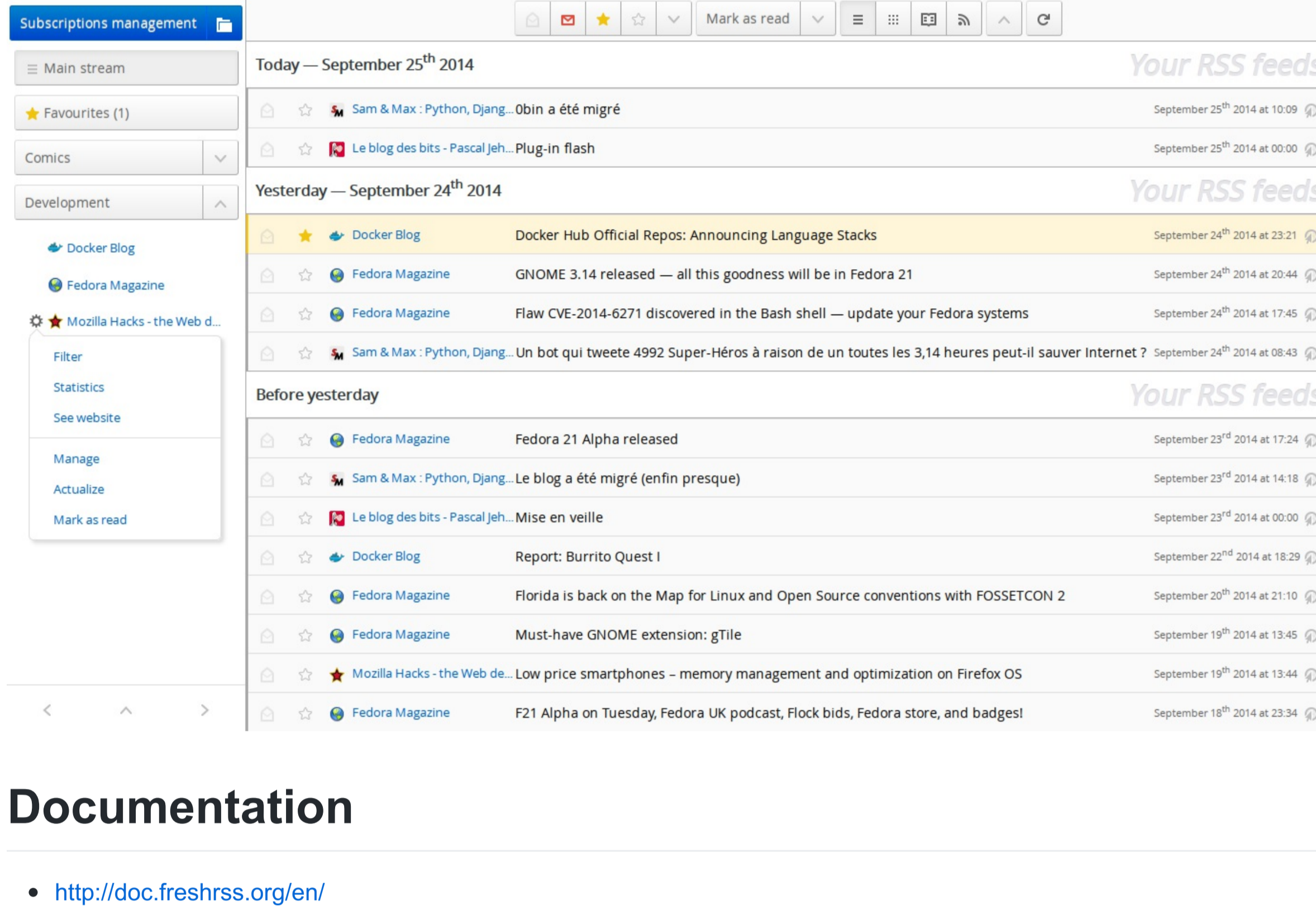
- Use [the master branch](#) if you need a stable version.
- For those willing to help testing or developing the latest features, [the dev branch](#) is waiting for you!

## Disclaimer

This application was developed to fulfil personal needs primarily, and comes with absolutely no warranty. Feature requests, bug reports, and other contributions are welcome. The best way is to [open an issue on GitHub](#). We are a friendly community.

## Requirements

- Light server running Linux or Windows
  - It even works on Raspberry Pi 1 with response time under a second (tested with 150 feeds, 22k articles)
- A web server: Apache2 (recommended), nginx, lighttpd (not tested on others)
- PHP 5.3.3+ (PHP 5.4+ recommended, and PHP 5.5+ for performance, and PHP 7 for even higher performance)
  - Required extensions: [cURL](#), [JSON](#), [XML](#), and [PDO\\_MySQL](#) or [PDO\\_SQLite](#) or [PDO\\_PGSQL](#)
  - Recommended extensions: [JSON](#), [GMP](#) (for API access on platforms < 64 bits), [IDN](#) (for Internationalized Domain Names), [mbstring](#) and/or [iconv](#) (for charset conversion), [ZIP](#) (for import/export), [zlib](#) (for compressed feeds)
- MySQL 5.5.3+ (recommended), or SQLite 3.7.4+, or PostgreSQL 9.2+
- A recent browser like Firefox, Internet Explorer 11 / Edge, Chrome, Opera, Safari.
  - Works on mobile



## Documentation

- <http://doc.freshrss.org/en/>
- <https://github.com/FreshRSS/documentation>

## Installation

1. Get FreshRSS with git or [by downloading the archive](#)
2. Dump the application on your server (expose only the `./p/` folder)
3. Add write access on `./data/` folder to the webserver user
4. Access FreshRSS with your browser and follow the installation process
  - or use the [Command-Line Interface](#)
5. Everything should be working :) If you encounter any problem, feel free [contact us](#).
6. Advanced configuration settings can be seen in [config.default.php](#) and modified in `data/config.php`.

## Automated install

- [Cloudron install](#)
- [DPlatform self-deploy](#)

- [YunoHost](#)

## Example of full installation on Linux Debian/Ubuntu

```
# If you use an Apache Web server (otherwise you need another Web server)
sudo apt-get install apache2
sudo a2enmod headers expires rewrite ssl #Apache modules

# For Ubuntu <= 15.10, Debian <= 8 Jessie
sudo apt-get install php5 php5-curl php5-gmp php5-intl php5-json php5-sqlite
sudo apt-get install libapache2-mod-php5 #For Apache
sudo apt-get install mysql-server mysql-client php5-mysql #Optional MySQL database
sudo apt-get install postgresql php5-pgsql #Optional PostgreSQL database

# For Ubuntu >= 16.04, Debian >= 9 Stretch
sudo apt install php php-curl php-gmp php-intl php-mbstring php-sqlite3 php-xml php-zip
sudo apt install libapache2-mod-php #For Apache
sudo apt install mysql-server mysql-client php-mysql #Optional MySQL database
sudo apt install postgresql php-pgsql #Optional PostgreSQL database

# Restart Web server
sudo service apache2 restart

# For FreshRSS itself (git is optional if you manually download the installation files)
cd /usr/share/
sudo apt-get install git
sudo git clone https://github.com/FreshRSS/FreshRSS.git
cd FreshRSS

# If you want to use the development version of FreshRSS
sudo git checkout -b dev origin/dev

# Set the rights so that your Web server can access the files
sudo chown -R :www-data . && sudo chmod -R g+r . && sudo chmod -R g+w ./data/
# If you would like to allow updates from the Web interface
sudo chmod -R g+w .

# Publish FreshRSS in your public HTML directory
sudo ln -s /usr/share/FreshRSS/p /var/www/html/FreshRSS
# Navigate to http://example.net/FreshRSS to complete the installation
# (If you do it from localhost, you may have to adjust the setting of your public address later)
# or use the Command-Line Interface

# Update to a newer version of FreshRSS with git
cd /usr/share/FreshRSS
sudo git pull
sudo chown -R :www-data . && sudo chmod -R g+r . && sudo chmod -R g+w ./data/
```

See more commands and git commands in the [Command-Line Interface documentation](#).

## Access control

It is needed for the multi-user mode to limit access to FreshRSS. You can:

- use form authentication (need JavaScript and PHP 5.3.7+, works with some PHP 5.3.3+)
- use HTTP authentication supported by your web server
  - See [Apache documentation](#)
  - In that case, create a `./p/i/.htaccess` file with a matching `./htpasswd` file.

## Automatic feed update

- You can add a Cron job to update the update script. Check the Cron related to your distribution ([Debian/Ubuntu](#), [Red Hat/Fedora](#), [Slackware](#), [Gentoo](#), [Arch Linux](#)...). It is a good idea to use the Web server user. For instance, if you want to run the script every hour:

```
9 * * * * php /usr/share/FreshRSS/app/actualize_script.php > /tmp/FreshRSS.log 2>&1
```

## Example on Debian / Ubuntu

Create `/etc/cron.d/FreshRSS` with:

```
6,36 * * * * www-data php -f /usr/share/FreshRSS/app/actualize_script.php > /tmp/FreshRSS.log 2>&1
```

## Advices

- For a better security, expose only the `./p/` folder on the Web.
  - Be aware that the `./data/` folder contains all personal data, so it is a bad idea to expose it.
- The `./constants.php` file defines access to application folder. If you want to customize your installation, every thing happens here.
- If you encounter any problem, logs are accessible from the interface or manually in `./data/users/*/log*.txt` files.
  - The special folder `./data/users/_/` contains the part of the logs that are shared by all users.

## Backup

- You need to keep `./data/config.php`, and `./data/*_user.php` files
- You can export your feed list in OPML format from FreshRSS
  - either from the Web interface, or from the [Command-Line Interface](#)
- To save articles, you can use [phpMyAdmin](#) or MySQL tools:

```
mysqldump -u user -p --databases freshrss > freshrss.sql
```

## Extensions

FreshRSS supports further customizations by adding extensions on top of its core functionality. See the [repository dedicated to those extensions](#).

## Included libraries

- [SimplePie](#)
- [MINZ](#)
- [php-http-304](#)
- [jQuery](#)
- [lib\\_opml](#)
- [jQuery Plugin Sticky-Kit](#)
- [keyboard\\_shortcuts](#)
- [flotr2](#)

## Only for some options

- [bcryptjs](#)
- [phpQuery](#)

## If native functions are not available

- [Services\\_JSON](#)
- [password\\_compat](#)

## Compatible clients

Any client supporting a Google Reader-like API. Selection:

- Android
  - [News+ with News+ Google Reader extension](#) (Closed source)
  - [EasyRSS](#) (Open source, F-Droid)
- Linux
  - [FeedReader 2.0+](#) (Open source)