

Libretime installation

multimédia, webradio, libretime

Installation

Ce mode opératoire va encore bouger, car LibreTime 3.0.0 est encore en version alpha (alpha 9 au moment de la rédaction de cette page).

À l'installation, Python Cairo tombe en erreur (voir [issue sur Github](#)).

```
Writing /tmp/easy_install-
ya5mh8e_/pycairo-1.19.1/setup.cfg
Running pycairo-1.19.1/setup.py -q bdist_egg
--dist-dir /tmp/easy_install-
ya5mh8e_/pycairo-1.19.1/egg-dist-tmp-4yid3dt9
no previously-included directories found
matching 'docs/_build'
warning: no files found matching 'README'
under directory 'tests'
warning: no files found matching 'README'
under directory 'examples'
cairo/device.c:30:10: fatal error: Python.h:
Aucun fichier ou dossier de ce type
#include <Python.h>
^~~~~~
compilation terminated.
error: Setup script exited with error:
command 'x86_64-linux-gnu-gcc' failed with
exit status 1
```



Pour régler le souci, il faut installer le paquet `python3-dev` avant de lancer l'installation.

Nous installons git

```
sudo aptitude install git
```

Nous clonons le dépôt et lançons l'installation

```
git clone https://github.com/LibreTime/libretime.git
cd libretime
sudo bash install -fiap
```

L'installation débute. Arrivé au warning

```
All settings correct for using Composer  
Downloading...
```

```
Composer (version 2.0.12) successfully installed to: /usr/local/bin/composer  
Use it: php /usr/local/bin/composer
```

```
Do not run Composer as root/super user! See https://getcomposer.org/root for  
details
```

```
Continue as root/super user [yes]?
```

Appuyez sur la touche “entrée” pour confirmer.

Si tout s'est bien passé, vous devriez avoir ce message à la fin de l'installation

```
-----  
* Basic Setup DONE! *  
To get started with Libretime, visit  
or, if you've set up your own web configuration,  
the Libretime webroot on your webserver  
-----
```

Rendez-vous sur l'URL du site pour terminer l'installation.



Setup Step 1 of 5

Database Settings

Enter your Airtime database settings here. Empty or non-existent databases will be created and populated if the given user has administrative permissions in postgres.

Username
airtime

Password

Name
airtime

Host
localhost

This may take up to 30 seconds to complete!

Next >

Sur la page suivante, il nous est conseillé de changer le mot de passe de RabbitMQ

The screenshot shows the LibreTime setup interface. At the top, there's a logo with two overlapping circles and the text "LibreTime". To the left is the word "Setup" and to the right is "Step 2 of 5". The main title "RabbitMQ Settings" is centered above a message in green: "Airtime database was created successfully!". Below this, a text block explains that RabbitMQ is an AMQP-based messaging system used by LibreTime, and it's recommended to change the default password. It provides a command line instruction: `sudo rabbitmqctl change_password <username> <newpassword>`. A note below states: "Notice: using special characters such as ! in your rabbitmq password will cause LibreTime to fail to load properly after setup. Please use alphanumerical characters only." At the bottom, there's an "Advanced" button with a dropdown arrow, and two large orange buttons: "Back" and "Next".

Depuis le terminal nous changeons le mot de passe

```
sudo rabbitmqctl change_password airtime <new_password>
```

Nous déployons la fenêtre en cliquant sur "Advanced", et y reportons le mot de passe précédemment défini

The screenshot shows the LibreTime setup interface, Step 2 of 5. The title "RabbitMQ Settings" is displayed at the top. A green success message "Airtime database was created successfully!" is shown. Below it, a note says: "RabbitMQ is an AMQP-based messaging system used by LibreTime. You should only edit these settings if you have changed the defaults since running the installer, or if you've opted to install RabbitMQ manually." It also recommends changing the default password using the command `sudo rabbitmqctl change_password <username> <newpassword>`. A notice cautions against using special characters like ! in the password. An "Advanced" button with a dropdown arrow is present. The configuration fields include:

- Username:** airtime
- Password:** (redacted)
- Host:** 127.0.0.1
- Port:** 5672
- Virtual Host:** /airtime

At the bottom are "Back" and "Next" buttons.

Nous vérifions les informations sur le FQDN et le port à utiliser

The screenshot shows the LibreTime setup interface. At the top, there's a logo with two red speech bubbles and the text "LibreTime". To the left is the word "Setup" and to the right is "Step 3 of 5". Below this, the section title "General Settings" is centered. A note below it says: "These values are automatically pulled from your webserver settings, under most circumstances you will not need to change them." A green success message "Connection successful!" is displayed. The "Webserver Host" field contains "radio.in.grohub.org". The "Webserver Port" field contains "80". A note about CORS URLs is present, explaining it can be set if LibreTime is behind a proxy. A "CORS URL" button with a dropdown arrow is shown. At the bottom are two orange buttons: "⟨ Back" and "Next ⟩".

Nous choisissons l'emplacement du stockage de la librairie de morceaux (nous pouvons laisser vide pour choisir le chemin par défaut)

Media Settings

Here you can set the default media storage directory for Airtime. If left blank, we'll create a new directory located at `/srv/airtime/stor/` for you.

Media folder

```
/path/to/my/airtime/music/directory/
```

Note that you need to enter the **fully qualified** path name!

< Back Next >

Le dernier écran nous indique les commandes à saisir dans le terminal pour démarrer les services

Setup Step 5 of 5

Manual Step: Start Libretime Services

Successfully set up media folder!

```
sudo systemctl start libretime-playout
sudo systemctl start libretime-liquidsoap
sudo systemctl start libretime-analyzer
sudo systemctl start libretime-celery
```

Click "Done!" to bring up the Libretime configuration checklist; if your configuration is all green, you're ready to get started with your personal Libretime station!

If you need to re-run the web installer, just remove `/etc/airtime/airtime.conf`.

Done!

Nous retournons donc sur le terminal et entrons les commandes

```
sudo systemctl start libretime-playout
sudo systemctl start libretime-liquidsoap
sudo systemctl start libretime-analyzer
sudo systemctl start libretime-celery
```

La configuration est terminée. Tous les services doivent être verts

Configuration Checklist

Your Airtime station is up and running! Get started by logging in with the default username and password: admin/admin

[Log in to Airtime!](#)

Component	Description	Status or Solution
PHP Dependencies		
Postgres	PDO and PostgreSQL libraries	✓
External Services		
Database	Database configuration for Airtime	✓
RabbitMQ	RabbitMQ configuration for Airtime	✓
Media Analyzer	LibreTime media analyzer service	✓
Pypo	LibreTime playout service	✓
Liquidsoap	LibreTime liquidsoap service	✓
Celery	LibreTime Celery Task service	✓

PHP Extension List

Core | date | libxml | openssl | pcntl | zlib | filter | hash | Reflection | SPL | sodium | session | standard | apache2handler | PDO | xml | apcu | bcmath | calendar | ctype | curl | dom | mbstring | fileinfo | ftp | gd | gettext | iconv | json | exif | pdo_pgsql | pgsql | Phar | posix | readline | shmop | SimpleXML | sockets | sysvmsg | sysvsem | sysvshm | tokenizer | wddx | xmlreader | xmlwriter | xsl | Zend OPCache

Nous cliquons sur le bouton “Log in to Airtime!”

Nous arrivons sur la page du site, nous cliquons sur “Login” en haut à droite.

Nous nous authentifions (par défaut admin / admin)

Login

Username:
admin

Password:
.....

Language:
Français

Login

[Forgot your password?](#)

Liens

- site Libretime
- documentation pour l'installation
- forum Libretime
- Releases Libretime sur Github

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Permanent link:
<https://wiki.grohub.org/information/infrastructure/multimedia/libretime-installation>

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