

Howto Contribute and Code

If you wish to contribute to Actionaz, this page is for you. You find here some indications to help you with the first steps to be able to contribute to **actionaz**.

Description of the development environment

The source code of Actionaz project can be found on [GitHub](#)

First, you have to duplicate the actionaz repository

After, you will configure your local development environment.

GitHub Configuration

Go to <http://github.com>, and create a free account (to do that you must have : a username, an e-mail and a password).

After, by searching *actionaz* you'll find the project *Jmgr/actionaz*. By clicking on it you will have a read-only access to all the sources (alias the 'repository').

When you access with your own GitHub account the repository of *Jmgr/actionaz* project you can fork it. To do that you only have to click on the **Fork** button on the home page of *Jmgr/actionaz* project.

This operation takes only few seconds, and when it is over, you'll be redirected to your new home page of your project (the repository is called : **<your_username>/actionaz**)

For the GitHub part, the hardest is done, now we will install your local environment.

But, we describe only the installation part ... But a daily practicing of **Git/GitHub** requires more skills. To have more details on howto use Git go to the [Daily use of Git/GitHub](#) page.

Local Environment

Ubuntu Case

Git (inspired from : <http://www.tech-juice.org/2012/05/07/setting-up-gitgithub-on-ubuntu-in-five-minutes/>) :

1- Install git

```
$ sudo apt-get install git-core git-doc
```

2- Configure git

```
$ git config --global user.name "UserName"  
$ git config --global user.email "myemail@provider.fr"
```

Enable colors when outputting to terminal:

```
$ git config --global color.ui true
```

3- Generate Cryptographic keys [Be sure to have a passphrase ready]

```
$ ssh-keygen -t rsa -C "myemail@provider.fr" -f ~/.ssh/git_rsa
```

4- Add Public Key to GitHub

Copy all contents of `~/.ssh/git_rsa.pub` and add it to your Github profile.

5- Tell SSH to use the new Key

```
$ ssh-add ~/.ssh/git_rsa
```

6- Test connection to GitHub

```
$ ssh -T git@github.com  
Hi <user>! You've successfully authenticated, but GitHub does not provide  
shell access.
```

7- Clone the repository and start coding

```
$ git clone git@github.com:<votre user>/actionaz.git
```

QT and minimum stuff to compile :

1- The required packages to compile the project

```
sudo apt-get install build-essential libqt4-dev qtmobility-dev libxtst-dev  
libnotify-dev libopencv-dev libboost-dev qtscript-tools
```

2- Installing Qtcreator

It is not mandatory, but this tool give a lot of confort to the developer. It's up to you.

```
sudo apt-get install qtcreator
```

3- Howto respect the coding convention

For actionaz project, use Tab of 4 characters. In Qtcreator go to the *Tools* entry of the main menu, then *Options...* In the new window select C++, duplicate the original configuration and name it actionaz. You can select the options to have a coding style compatible with the actionaz project.

Windows Case

TODO

Howto Compile Actionaz ?

- Go in the directory containing the sources, then :

```
$ qmake -r  
$ make
```

- To compile messages in your own language :

```
$ make locale_release
```

To translate strings in the source code, go to the page [translate](#)

- To launch your version of actionaz :

```
$ ./actionaz
```

Going to see the code ?

Your development environment is ready ! We can go fight with the [code](#) !

The project coding-style is described [here](#)

Other languages for this page : [\(fr\)](#)

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