

Visulog

Tool for analysis and visualization of git logs

Presentation

Visulog is a tool that extracts data from git repositories. It can display charts in a web browser or output the data in JSON format. It's the ideal tool for contribution analysis, and can be a key to identify a great workflow for your team. It can also be used in the study of work performance, and study how a project has evolved from the start to the end. Visulog is intended for power users, with a minimum knowledge of the command line. It integrates very useful features like extensive configuration through a config file, and command line arguments. It is quite performant, and is able to process a milion commits and generate the data in about 3 minutes (tested on the linux repo).

Already existing similar tools

- gitstats

Usage

Building the project

1. Clone the repository

```
git clone git@gaufre.informatique.univ-paris-diderot.fr:crisan/visulog.git
```

or

```
git clone https://gaufre.informatique.univ-paris-diderot.fr/crisan/visulog.git
```

2. Enter the project folder

```
cd visulog
```

3. Only if you are on a SCRIPT computer (in one of the TP rooms):

```
source SCRIPT/envsetup
```

This will setup the `GRADLE_OPTS` environment variable so that gradle uses the `SCRIPT` proxy for downloading its dependencies. It will also use a custom trust store (the one installed in the system is apparently broken...).

4. run gradle wrapper (it will download all dependencies, including gradle itself)

```
./gradlew build
```

Running the software

In order to run `visulog`, you have to do the following:

```
$ ./gradlew installDist  
$ ./cli/build/install/cli/bin/cli
```

Documentation

The documentation can be found in the `docs` folder