Git

Patrick Bucher

Contents

Explore a Repository

Cloning an existing Git repository:

```
git clone https://github.com/[username]/[repository]
```

List a repository's files:

```
git ls-files
```

Show revisions of a file:

```
git blame [file]
```

Show the repository's history of commits:

```
git log --oneline
```

Configuration (`git config`)

Set global configuration (name and email):

```
git config --global [option] [value]

git config --global user.name "Patrick Bucher"
git confif --global user.email "patrick.bucher@stud.hslu.ch"
```

Show all configuration:

```
git config --list
```

Show a specific configuration item (name and email):

```
git config [option]

git config user.name
git config user.email
```

Help (`git help`)

Show the help page (most important commands):

```
git help
```

Show all commands (with pager):

```
git -p help -a
```

Show all available guides:

```
git help -g
```

Getting help on a specific command or read a guide (help itself, the glossary and the tutorial guide):

```
git help [command/subject]

git help help
git help glossary
git help tutorial
```

Miscellaneous

Starting Git GUI (the package `tk` is required under Linux):

```
git gui
```

Switches

Display the installed version of git:

```
git --version
```

Use a pager (usually `less`) for the output:

```
git -p [command]
git --paginate [command]
```