



GitHub

# GIT CHEAT SHEET

## INSTALL GIT

### GitHub for Windows

<https://windows.github.com>

### GitHub for Mac

<https://mac.github.com>

### Git for All Platforms

<http://git-scm.com>

## CONFIGURE TOOLING

```
$ git config --global user.name "[name]"
```

```
$ git config --global user.email "[email address]"
```

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

## CREATE REPOSITORIES

Start a new repository or obtain one from an existing URL

```
$ git init [project-name]
```

```
$ git clone [url]
```

## MAKE CHANGES

Review edits and craft a commit transaction

```
$ git status
```

```
$ git diff
```

```
$ git add [file]
```

```
$ git commit -m "[descriptive message]"
```

## GROUP CHANGES

Name a series of commits and combine completed efforts

```
$ git branch
```

Lists all local branches in the current repository

```
$ git branch [branch-name]
```

Creates a new branch

```
$ git checkout [branch-name]
```

Switches to the specified branch and updates the working directory

## SYNCHRONIZE CHANGES

Register a repository bookmark and exchange version history

```
$ git push [alias] [branch]
```

Uploads all local branch commits to GitHub

```
$ git pull
```

Downloads bookmark history and incorporates changes