

# Git – Installation and Configuration

Metodologias de Trabalho em Equipa

# Git – First steps

- Install git on your system
  - <https://git-scm.com/>
- If you're on Fedora (or any closely-related RPM-based distribution, such as RHEL or CentOS)

```
$ sudo dnf install git-all
```

- If you're on a Debian-based distribution, such as Ubuntu, try apt:

```
$ sudo apt install git-all
```

# Git – Configuration Files

Scope	Location	Filename
System	[path]/etc	gitconfig
Global	~/	.gitconfig
Local	[Repo]/.git	config

# Git – Configuration Files

- `[path]/etc/gitconfig` file: Contains values applied to every user on the system and all their repositories. Because this is a system configuration file, you would need administrative or superuser privilege to make changes to it (`--system`).
- `~/.gitconfig` or `~/.config/git/config` file: Values specific personally to you, the user (`--global`).
- config file in the Git directory (that is, `.git/config`) of whatever repository you're currently using: Specific to that single repository (`--local`).

# Git – Your Identity

- Configure user to sign commits

```
$ git config --global user.name "Paulo Proenca"
$ git config --global user.email prp@upskill.pt
```

You need to do this only once if you pass the `--global` option, because then Git will always use that information for anything you do on that system.

# Git – Use the default, or your preferred editor

- You can configure the default text editor that will be used when Git needs you to type in a message.
  - If not configured, Git uses your system's default editor.

```
$ git config --global core.editor nano
```

- Opções: *vim*, *emacs*, *subl*, ...
- On a Windows system, if you want to use a different text editor, you must specify the full path to its executable file.

# Git – A little splash of color

- Colorize Git messages

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

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