Git

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Install

sudo apt install git -y

git --version

config

- List current config:
 - ø git config --list
- Initial branch:
 - ø git config --global init.defaultBranch main
- Set your identity:
 - ø git config --global user.name "name"
 - ø git config --global user.email "email@xxx.com"
- Save your credentials:
 - git config --global credential.helper store Luciano Sampaio

init

Create an empty Git repository or reinitialize an existing one;

ø git init

clone

Clone a repository into a new directory;

- ø git clone <url | path> [name]
 - git clone https://github.com/lsampaioweb/git-scripts-and-tips.git

status

Show the working tree status;

ø git status

add

Add file contents to the index;

øgit add <file1 file2 | . >

restore

Restore working tree files;

ø git restore <--staged> <file1 file2 | . >

```
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git restore --staged README.md
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
        new file: file.txt

Changes not staged for commit:
   (use "git add <file>..." to update what will be committed)
   (use "git restore <file>..." to discard changes in working directory)
        modified: README.md
```

commit

Record changes to the repository;

ø git commit -m "message"

```
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git commit -m "added file.txt"
[main e942dcf] added file.txt
  1 file changed, 0 insertions(+), 0 deletions(-)
    create mode 100644 file.txt
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
    (use "git push" to publish your local commits)
nothing to commit, working tree clean
```

push

Update remote refs along with associated objects;

ø git push

pull

Fetch from and integrate with another repository

or a local branch;

ø git pull

```
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git pull
Already up to date.
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git pull
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 9 (delta 1), reused 9 (delta 1), pack-reused 0
Unpacking objects: 100% (9/9), 240.87 KiB | 576.00 KiB/s, done.
From https://github.com/lsampaioweb/git-scripts-and-tips
   4e5ff51..780ceba main
                                -> origin/main
Updating 4e5ff51..780ceba
Fast-forward
 file.txt
 file2.txt
 file3.txt
 file4.txt
                                 Bin 0 -> 35920 bytes
 images/git-add.png
                               | Bin 0 -> 45884 bytes
 images/git-commit.png
                              | Bin 0 -> 11482 bytes
 images/git-pull.png
                               | Bin 0 -> 64301 bytes
 images/git-push.png
 images/git-restore-staged.png | Bin 0 -> 54279 bytes
                                 Bin 0 -> 47834 bytes
 images/git-status.png
 10 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 file.txt
 delete mode 100644 file2.txt
 delete mode 100644 file3.txt
 delete mode 100644 file4.txt
 create mode 100644 images/git-add.png
 create mode 100644 images/git-commit.png
 create mode 100644 images/git-pull.png
 create mode 100644 images/git-push.png
 create mode 100644 images/git-restore-staged.png
 create mode 100644 images/git-status.png
```

log

Show commit logs;

ø git log

```
lsampaio@DUD-JumpServer:~/git/git-scripts-and-tips$ git log
commit 780ceba4df22f54bd094f3e97559a6cf4970aafc (HEAD -> main, origin/main, origin/HEAD)
Author: Luciano Sampaio Martins de Souza <lsampaioweb@gmail.com>
       Fri Sep 23 22:30:21 2022 -0300
Date:
    images
commit 4e5ff51ff8f87d182d3ab13c537d42cb1ce95d9c
Author: Luciano Sampaio <lsampaioweb@gmail.com>
Date: Fri Sep 23 22:26:05 2022 -0300
    file4
commit 47a630cbca3067be2dff679fe3097bb568879e1d
Author: Luciano Sampaio <lsampaioweb@gmail.com>
Date: Fri Sep 23 22:19:56 2022 -0300
    other file2
commit fd603304be9a92da89927f44931ac5dc027236f4
Author: Luciano Sampaio <lsampaioweb@gmail.com>
Date: Fri Sep 23 22:18:56 2022 -0300
    other file
commit e942dcf90800103903fd8b55fd5b61c462954e17
Author: Luciano Sampaio <lsampaioweb@gmail.com>
Date: Fri Sen 23 22:05:45 2022 -0300
```

References

Git Documentation https://git-scm.com/doc

Questions?



Thank you!

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