git

Introduction

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Timeline:
- 2008 — Quobis, django
- 2011 — webphone, Python, Asterisk
- 2013 — foehn, docker
- 2017 — openser Kamailio, Jenkins, HashiCorp

Git 101

```
$ git init .

$ git status
```

Git 101

```
$ echo 1 > 1.txt;
$ git status
$ git add 1.txt
$ git commit -m "First commit"
```

Git 101

```
$ echo 2 > 2.txt;
$ git status
$ git add 2.txt
$ git commit -m "Second commit"
$ git log
```

Git 101

```
$ git remote add origin $ORIGIN
$ git push origin master
```

Git 101

```
$ git branch myAwesomeFeature
$ git checkout myAwesomeFeature
$ echo 3 > 3.txt
$ git add 3.txt
$ git commit -m "MyAwesomeFeature"
```

Git 101

```
$ git checkout master
$ echo 4 > 4.txt
$ git add 4.txt
$ git commit -m "fourth"
$ git log
```

Git 101

```
$ git checkout master
$ echo 4 > echo 4.txt
$ git add 4.txt
$ git commit -m "fourth"
$ git log
```

Git 101

```
$ git diff ..myAwesomeFeature
$ git merge myAwesomeFeature
$ git log
$ git push origin master
```
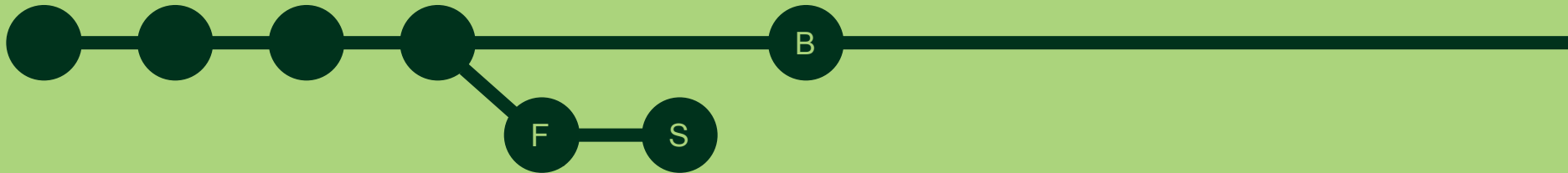
3
4

Git 101

```
$ git checkout master
$ git checkout -b MySecondFeature
$ echo "2F" > 2f.txt; git add 2f.txt; git commit -m "2f-first"
$ echo "2F -2 " >> 2f.txt; git add 2f.txt; git commit -m "2f-second"
```
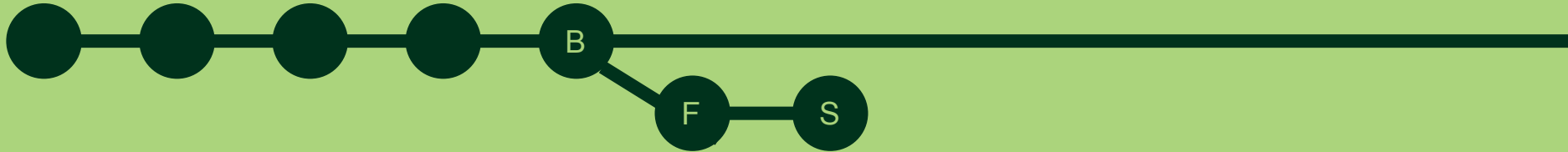
Git 101

```
$ git checkout master
$ echo "BUGFIX" > 1.txt; git add 1.txt; git commit -m "BUGFIX"
```

Git 101

```
$ git checkout MySecondFeature
$ git rebase master
$ git push origin MySecondFeature -f

$ # Pull Request time

$ # Delete a branch from remote
$ git push origin :MySecondFeature
```
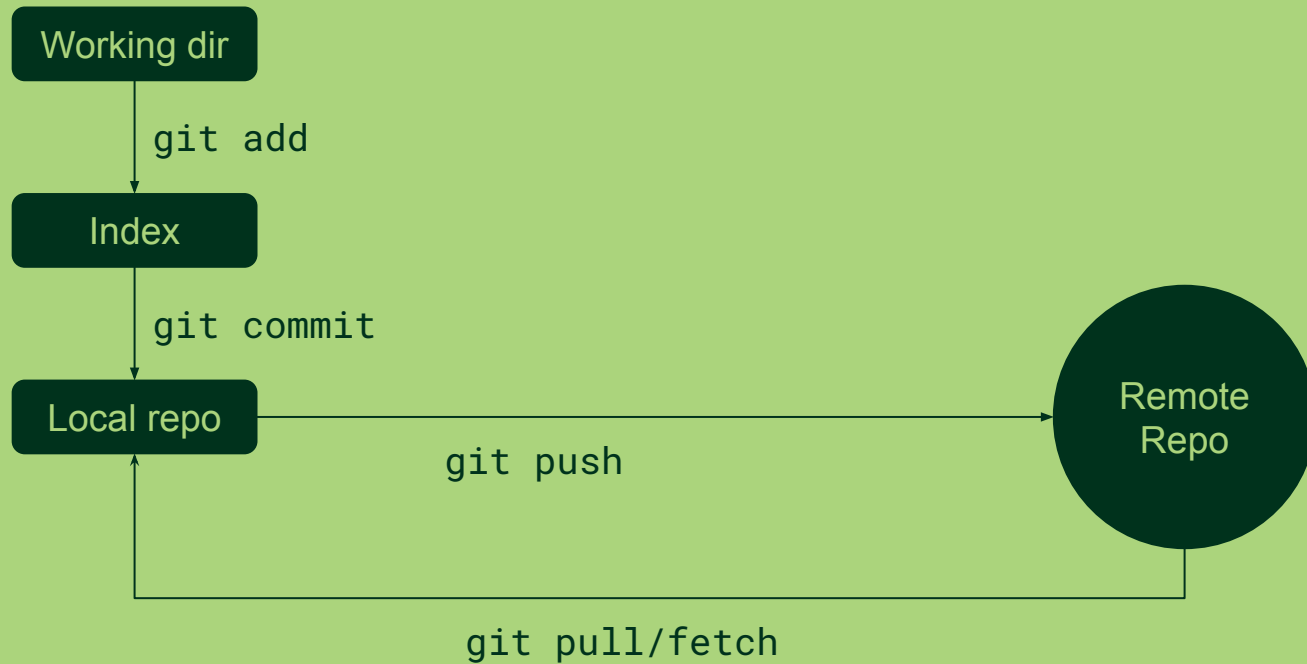
Git 101

```
$ git rebase -i master
#
# Commands:
# p, pick = use commit
# r, reword = use commit, but edit the commit message
# e, edit = use commit, but stop for amending
# s, squash = use commit, but meld into previous commit
# f, fixup = like "squash", but discard this commit's log message
# x, exec = run command (the rest of the line) using shell
# d, drop = remove commit
```

Git 101

Git 101

```
$ # Get changes from remote
$ git feth origin
$ git rebase origin/master
```

Git 101

```
$ cat ~/.gitconfig

[user]
    email = eloy.coto@gmail.com
    name = Eloy Coto
[alias]
    st = status
    co = checkout
    amend = commit --amend

    branches = branch -a
    stashes = stash list
    discard = checkout --
    uncommit = reset --mixed HEAD~
[commit]
    sign = true
```

Git 101

```
$ cat .gitignore

.vagrant
.editor
password.json
*.pyc
```

Graciñas!

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