



escuela técnica superior  
de ingeniería informática

# Gestión del código fuente *Source code management*

***Departamento de  
Lenguajes y Sistemas Informáticos***

**Evolución y Gestión de la  
Configuración**

UNIVERSIDAD DE SEVILLA

# My git commit messages!

	COMMENT	DATE
○	CREATED MAIN LOOP & TIMING CONTROL	14 HOURS AGO
○	ENABLED CONFIG FILE PARSING	9 HOURS AGO
○	MISC BUGFIXES	5 HOURS AGO
○	CODE ADDITIONS/EDITS	4 HOURS AGO
○	MORE CODE	4 HOURS AGO
○	HERE HAVE CODE	4 HOURS AGO
○	AAAAAAAAA	3 HOURS AGO
○	ADKFJSLKDFJSDKLFJ	3 HOURS AGO
○	MY HANDS ARE TYPING WORDS	2 HOURS AGO
○	HAAAAAAAAAANDS	2 HOURS AGO

AS A PROJECT DRAGS ON, MY GIT COMMIT MESSAGES GET LESS AND LESS INFORMATIVE.

# Porqué es importante

jagalindo / SPLIT-crawler

Unwatch 1   Unstar 1   Fork 0

Code   Issues 3   Pull requests 0   Projects 0   Wiki   Security   Insights   Settings

Branch: master

Commits on Nov 4, 2019

Travis built jagalindo committed 5 days ago ❌	6b9cabf	<>
Update .travis.yml jagalindo committed 5 days ago ❌	Verified 9e6872d	<>
Update .travis.yml jagalindo committed 5 days ago ❌	Verified b2cf41c	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	6c2046e	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	8643283	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	3af1cf9	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	2fb49fb	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	4bf9d57	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	85597cc	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago	76a9875	<>
uploading new found files automatically Unknown authored and Unknown committed 5 days ago ❌	6c63ad5	<>

# Porqué es importante

torvalds / linux

Watch 6.8k Star 82.4k Fork 28.9k

Code Pull requests 299 Projects 0 Security Insights

Branch: master

Commits on Nov 7, 2019

- Merge branch 'for-linus' of git://git.kernel.org/pub/scm/linux/kernel...  
torvalds committed 21 hours ago  
847120f

Commits on Nov 6, 2019

- HID: wacom: generic: Treat serial number and related fields as unsigned  
jigpu authored and Jiri Kosina committed 2 days ago  
ff47973
- Merge branch 'akpm' (patches from Andrew)  
torvalds committed 2 days ago  
4dd5815
- mm: memcontrol: fix network errors from failing \_\_GFP\_ATOMIC charges  
hnaz authored and torvalds committed 2 days ago  
869712f
- mm/memory\_hotplug: fix updating the node span  
davidhildenbrand authored and torvalds committed 2 days ago  
656d571
- scripts/gdb: fix debugging modules compiled with hot/cold partitioning  
iii-i authored and torvalds committed 2 days ago  
8731acc
- mm: slab: make page\_cgroup\_ino() to recognize non-compound slab pages...  
rgushchin authored and torvalds committed 2 days ago  
221ec5c
- MAINTAINERS: update information for "MEMORY MANAGEMENT"  
liu-song-6 authored and torvalds committed 2 days ago  
6981b76
- dump\_stack: avoid the livelock of the dump\_lock  
haokexin authored and torvalds committed 2 days ago  
5cbf2ff
- zswap: add Vitaly to the maintainers list  
vwool authored and torvalds committed 2 days ago  
a316313
- mm/page\_alloc.c: ratelimit allocation failure warnings more aggressively  
hnaz authored and torvalds committed 2 days ago  
1be334e
- mm/khugepaged: fix might\_sleep() warn with CONFIG\_HIGHPT=y  
ec649c9

# Las siete reglas de un gran mensaje de commit de git

- Separa el título del cuerpo con una línea en blanco
- Limita título a 50 caracteres
- Capitaliza el título
- No termines el título con un punto
- Utiliza el modo imperativo en el título
- Limita el cuerpo a 72 caracteres
- Utiliza el cuerpo para explicar qué y por qué vs cómo

<https://gist.github.com/robertpainsi/b632364184e70900af4ab688decf6f53>

[https://mirrors.edge.kernel.org/pub/software/scm/git/docs/git-commit.html#\\_discussion](https://mirrors.edge.kernel.org/pub/software/scm/git/docs/git-commit.html#_discussion)

# Una posible convención de mensajes

The reasons for these conventions:

- automatic generating of the changelog
- simple navigation through git history (eg. ignoring style changes)

Format of the commit message:

```
<type>(<scope>): <subject>  
  
<body>  
  
<footer>
```

Message subject (first line)

First line cannot be longer than 70 characters, second line is always blank and other lines should be wrapped at 80 characters.

**Allowed** `<type>` **values:**

- **feat** (new feature)
- **fix** (bug fix)
- **docs** (changes to documentation)
- **style** (formatting, missing semi colons, etc; no code change)
- **refactor** (refactoring production code)
- **test** (adding missing tests, refactoring tests; no production code change)
- **chore** (updating grunt tasks etc; no production code change)

**Example** `<scope>` **values:**

- init

<http://karma-runner.github.io/0.10/dev/git-commit-msg.html>

# ¡Podemos usar plantillas!

Podemos crear una plantilla en un fichero `.txt` para que git lo use como mensaje inicial cuando realizamos un commit. Esto es útil para no olvidarnos durante el Desarrollo sobre como hacer un buen mensaje de commit que este de acuerdo a las normas del grupo.

Por ejemplo, Podemos escribir la plantilla en `~/.gitmessage.txt` que indique lo siguiente:

- Subject line (try to keep under 50 characters)
- Multi-line description of commit,
- feel free to be detailed.
- [Ticket: X]
- Note how this commit template reminds the committer to keep the subject line short (for the sake of `git log --oneline` output), to add further detail under that, and to refer to an issue or bug tracker ticket number if one exists.
- To tell Git to use it as the default message that appears in your editor when you run `git commit`, set the `commit.template` configuration value:

```
$ git config --global commit.template ~/.gitmessage.txt
```

```
$ git commit
```

<https://mirrors.edge.kernel.org/pub/software/scm/git/docs/git-commit.html#discussion>

# Ejercicios

1) Definir una plantilla para cada grupo de trabajo. [https://1984.lsi.us.es/wiki-egc/index.php/Uso\\_de\\_git](https://1984.lsi.us.es/wiki-egc/index.php/Uso_de_git) y establecerla para su uso en git.

2) Cherrypicking, haremos uso del cherrypicking para traernos algunos commits de otra rama (ver la wiki)

# 3) revisaremos los ejercicios de la wiki.

7213

votes

41

answers

5.4m views

## How do I revert a Git repository to a previous commit?

How do I revert from my current state to a snapshot made on a certain commit? If I do git log, then I get the following output: \$ git log commit a867b4af366350be2e7c21b8de9cc6504678a61b` Author: Me &...

git

git-checkout

git-reset

git-revert

asked Nov 6 '10 at 16:58



Crazy Serb

35.6k ● 6 ● 30 ● 43

4818

votes

24

answers

1.1m views

## How to make Git "forget" about a file that was tracked but is now in .gitignore?

There is a file that was being tracked by git, but now the file is on the .gitignore list. However, that file keeps showing up in git status after it's edited. How do you force git to completely ...

git

gitignore

git-rm

asked Aug 13 '09 at 19:23



Ivan

31k ● 15 ● 44 ● 53

640

votes

16

answers

218k views

## How to remove/delete a large file from commit history in Git repository?

Occasionally I dropped a DVD-rip into a website project, then carelessly git commit -a -m ..., and, zap, the repo was bloated by 2.2 gigs. Next time I made some edits, deleted the video file, and ...

git

version-control

git-rebase

git-rewrite-history

asked Jan 20 '10 at 11:18



culebrón

15.7k ● 16 ● 59 ● 88

20239

votes

81

## How do I undo the most recent local commits in Git?

I accidentally committed the wrong files to Git, but I haven't pushed the commit to the server yet. How can I undo those commits from the local repository?