

<https://magit.vc/>

## The status buffer

The status buffer, which can be shown while inside a Git repository by typing `C-x g` (`Control+x` followed by `g` <sup>1</sup>), is Magit's equivalent of typing `git status` in a shell. It shows a quick overview of the current repository.

```
# Stock (股市) 信息/数据 挖掘 项目 (P1: 2021-5-1 --- 2022-05-01)
1. python 做数据爬虫+分析挖掘 (需要搭建Python环境) or go lang
   a. 学习Python 相关库
   b. 学习Github资源
2. emacs 编辑器 (需要搭建emacs环境)
   a. 作为python源代码/IDE
   b. git client 端 (需要从github拉取学习资源)
3. 数据库 (待选 mysql?)
   a. raw数据
   b. 分析方法
   c. 挖掘出来的数据
4. 使用Mac Mini m1做平台 (操作系统: Mac OS Big Sur)
   a. m1 CPU 使用前沿的神经网络引擎, 更将机器学习速度最高提升到了 15 倍
   b. 内核为Linux, 对 emacs/python/shell 友好
   c. 256 SSD 可能需要外接扩展硬盘
   d. wifi 6/以太网 (VPN) 使用 V2ray-Vmess (已经搭建好)

Head:      main Update README.md
Merge:     origin/main Update README.md
Unstaged changes (1)
modified   README.md
Recent commits
```

## Hiding details

You might have noticed that some diff hunks, those for `README.md`, are not shown. That's because the respective sections have been collapsed. You can collapse diff sections and any other section (which are larger than a single line) by moving the cursor into it and then pressing `TAB`.

Note that the current section is highlighted with a different background color so that you always know the extent of the current section. If you moved up one line, "Unpulled from origin/master" would become the current section. The current line as well as all the commits that follow would be highlighted.

If you don't currently need to know any details about the unpulled commits, then you could now type `TAB`. After doing so you still see the name of the upstream branch and how many commits it is ahead of `master`, but the details (the individual commits in this case) are hidden.

If you want to see them, just type `TAB` again. On the command line you would have to type something like `git log --oneline ..@{upstream}`.

可以使用 TAB 来 展开或者收起 详细信息

```

Head:      main Update README.md
Merge:     origin/main Update README.md

Unstaged changes (1)
modified  README.md
@@ -9,7 +9,7 @@
a. raw数据
b. 分析方法
c. 挖掘出来的数据
- 4. 使用 Mac Mini m1做平台 (操作系统:Mac OS Big Sur)
+ 4. 使用 Mac Mini m1做平台 (操作系统:Mac OS Big Sur)
a. m1 CPU 使用前沿的神经网络引擎,更将机器学习速度最高提升到了 15 倍
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Recent commits
e071da3 main origin/main Update README.md
68467f6 Update README.md
6fae934 Create README.md

```

## The popup of popups

There are many popups. For the most commonly used ones, you will quickly learn the keys you have to press because they are mnemonic. Until then, or when you need to do something you rarely do, then the “popup of popups” comes to the rescue. Show it by typing

?

```

Head:      master README.md: use less bold text
Unstaged changes (2)
Stashes (1)
Unpulled from origin/master (4)
Unmerged into origin/master (1)

40: 0 UR-*magit: magit                                Top  Magit Undo-Tree
Popup and dwim commands
A Cherry-picking    b Branching          B Bisecting
c Committing        d Diffing             D Change diffs

```

```

Transient and dwim commands
A Apply             f Fetch              P Push               y Show Refs
b Branch            F Pull               r Rebase            Y Cherries
B Bisect            I Init               t Tag               z Stash
c Commit            l Log               T Note             ! Run
C Clone             L Log (change)      V Revert            % Worktree
d Diff              m Merge origin/m   w Apply patches
D Diff (change)     M Remote origin/m  W Format patches
e Ediff (dwim)      o Submodule         X Reset
E Ediff             O Subtree

Applying changes UR-*magit: magit                                Top  Magit Undo-Tree
a Apply             s Stage              S Stage all
v Reverse           u Unstage            U Unstage all
k Discard           Cherry-picking      b Branching         B Bisecting
c Committing        d Diffing             D Change diffs

Essential commands
g refresh current buffer
<tab> toggle section at point
<return> visit thing at point
C-h m show all key bindings

```

输入 ? 可以查看 命令

输入s 或者 S -> Stage Change

```

Head:      main Update README.md
Merge:     origin/main Update README.md

Staged changes (1)
modified   README.md
@@ -9,7 +9,7 @@
a. raw数据
b. 分析方法
c. 挖掘出来的数据
- 4. 使用 Mac Mini m1做平台 (操作系统: Mac OS Big Sur)
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Recent commits
e021da3 main origin/main Update README.md
68467f6 Update README.md
6fae934 Create README.md

```

press c c

```

# Update README.md

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main branches
# Your branch is up to date with 'origin/main'.
#
# Changes to be committed:
#   modified:   README.md
#

```

## Committing

Press `c` to show the committing popup and then `c` to create a regular new commit. This calls `git commit` and arranges for the current Emacs session to be used as the `$GIT_EDITOR`. The commit message buffer is opened in one buffer, and another buffer shows the changes about to be committed. When done, press `C-c C-c`.

```

Staged changes
modified   lisp/magit.el
@@ -1,4 +1,4 @@
-;;; magit.el --- A Git porcelain inside Emacs -*- lexical-binding: t -*-
+;;; magit.el --- The Git porcelain inside Emacs and beyond -*- lexical-bin>

;; Copyright (C) 2008-2016 The Magit Project Contributors
;;

[back]

```

Ones done => press `C-c C-c`

```

Head:      main modified:   README.md
Merge:     origin/main Update README.md
Push:      origin/main Update README.md

Unmerged into origin/main (1)
d3676f3 main modified:   README.md

```

输入 P (大写)



```
Arguments
  -f Force with lease (--force-with-lease) md
  -F Force (--force)
  -h Disable hooks (--no-verify) (1)
  -n Dry run (--dry-run)

Push main to
  p origin/main
  u origin/main
  e elsewhere

Push
  o another branch      T a tag
  r explicit refsspecs  t all tags
  m matching branches

Configure
  C Set variables...
```

再输入 小p

Messages buffer:

```
Running C:/Program Files/Git/mingw64/libexec/git-core/git.exe push -v origin refs/heads/main:refs/heads/main
Git.Exe finished
```

Magit buffer 自动更新

```
Head:      main modified:  README.md
Merge:     origin/main modified: README.md
Push:      origin/main modified: README.md

Recent commits
d3676f3 origin/main modified:  README.md
e021da3 Update README.md
68467f6 Update README.md
6fae934 Create README.md
```

Github 也更新了

Leo Fu modified: README.md

d3676f3 16 minutes ago 4 commits

README.md modified: README.md 16 minutes ago

README.md

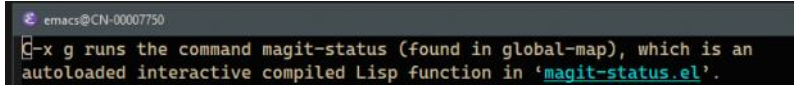
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Pull 操作:

EMACS 启动 P - Open project

C-x g - Open Magit (magit-status)

A terminal window with a dark background. The prompt is 'emacs@CN-00007750'. Below the prompt, a message is displayed: 'C-x g runs the command magit-status (found in global-map), which is an autoloaded interactive compiled Lisp function in 'magit-status.el'.'

```
emacs@CN-00007750
C-x g runs the command magit-status (found in global-map), which is an
autoloaded interactive compiled Lisp function in 'magit-status.el'.
```

最后, 输入 F (Pull) , p (origin/main)