

Atomic commits



What they are and why they're important

Atomic commits

“Normally, you check in a group of files that **relate to a specific task or a bug you have fixed**. You **check them all in together**, along with a **meaningful log message** that will let folks in the future figure out what files changed and, more important, why. This kind of atomic commit will also help should you need to roll back the change.

Make sure **all your unit tests still pass before checking in the code**. One easy way for you to make sure the code in the control system is healthy is to use continuous integration.”

Commits tell the 'story' of development

Commits on Sep 28, 2017



Fix some style issues about unsorted imports and names.

adglkh committed on 28 Sep ❌



cc7eafe



Mock out `check_root_privilege` for easing the pain of running test ...

adglkh committed on 28 Sep ❌



25d8530



Get code back to force people to run ubuntu-image as root at startup.

adglkh committed on 28 Sep



5403d02



Commits on Sep 26, 2017



Merge branch 'classic-builder' of https://github.com/adglkh/ubuntu-image ...

adglkh committed on 26 Sep ❌



603d514



From one working state to a new working state



Add .gitignore

Provides exclusions for ./idea and node_modules



Add BeautifulSoup HTTP extraction

BeautifulSoup fetches entire page content over HTTP and saves this to a variable



The next thing I'll do is...

... for this to be an atomic commit
I need to think about what it precisely I'm working towards



After that I plan to...

... each commit is part of a plan for the future of the code

Clearly able to see ***what's been done and why***

Forces you to be clear about ***what you're about to do and why***

Related tools in Git

Git is great, but to really get the most of how it can help you, you'll benefit from doing atomic commits

- ***Log*** - see the development story
- ***Interactive rebase*** - rewrite history to tell a better story
- ***Revert*** - *reverse the effect of (any) previous commit(s)*