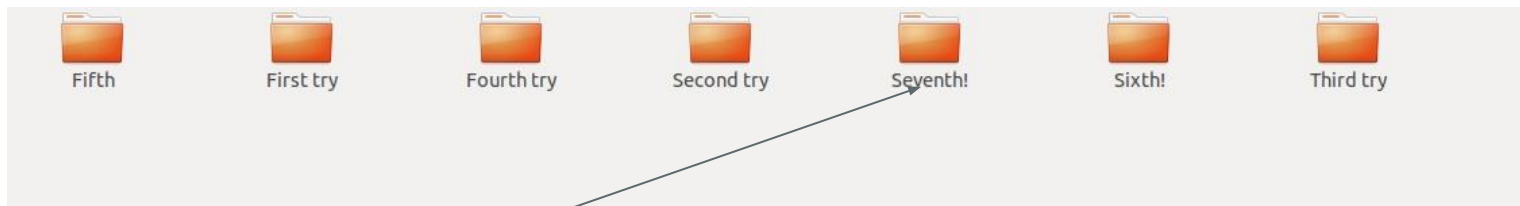


git for scientists

GRiD

# A story

- My first semester @ UMass, I was contributing to a big code.



What's on that folder  
again? And why the  
"!" ?

# I was so happy, I wrote about it

## Finding out about Git, feeling like I discovered fire

Kostis / May 26, 2012 / My notes, Sciency stuff / [Edit](#)

Today I discovered (by myself, although friends who are also software developers have already told me about it) Git. Git is a [version control system](#) . . . and up to this day, I didn't have any idea what that means.

# Version Control Systems



etc, etc ...

# Version Control Systems



**git**

# git

- Git was written by Linus Torvalds in 2005.
- Programmer & uber geek. Wrote first version of Linux kernel.



There was no scalable VCS for him to use, so he wrote one.

# The basics

- git is a **program**; It has to be installed.
- It can be used through the terminal and/or GUI.

## Downloads



Older releases are available and the [Git source repository](#) is on GitHub.



### GUI Clients

Git comes with built-in GUI tools (**git-gui**, **gitk**), but there are several third-party tools for users looking for a platform-specific experience.

[View GUI Clients →](#)

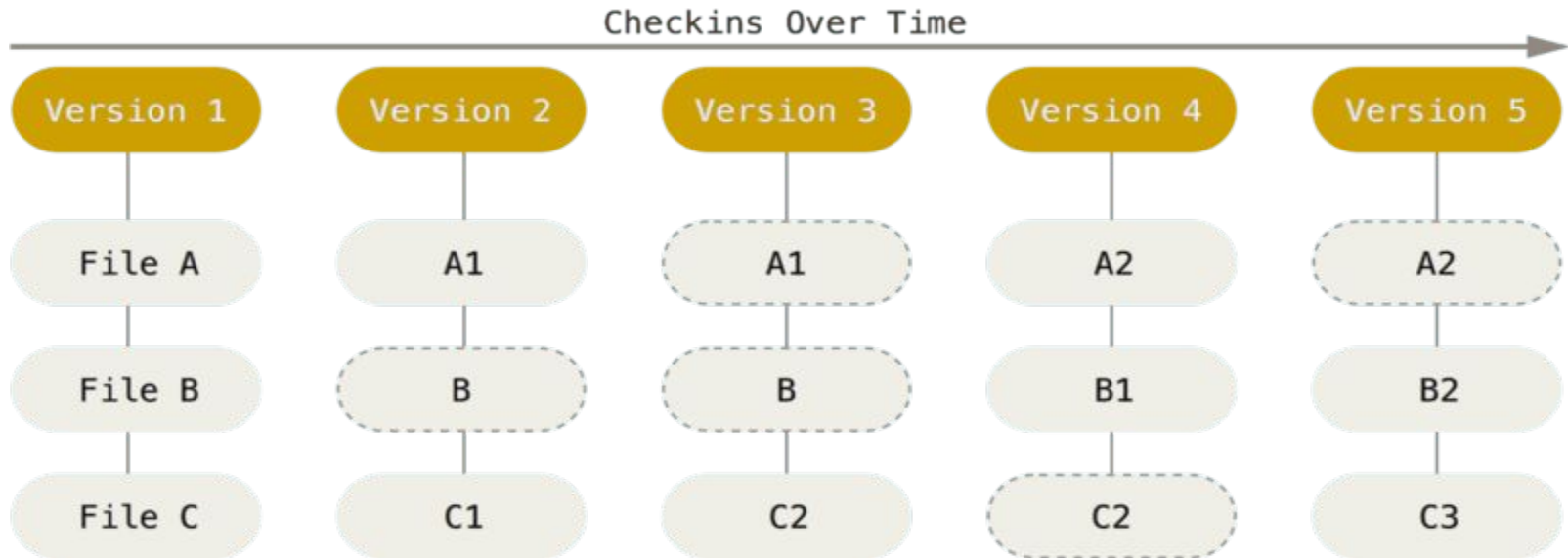
### Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.

[View Logos →](#)

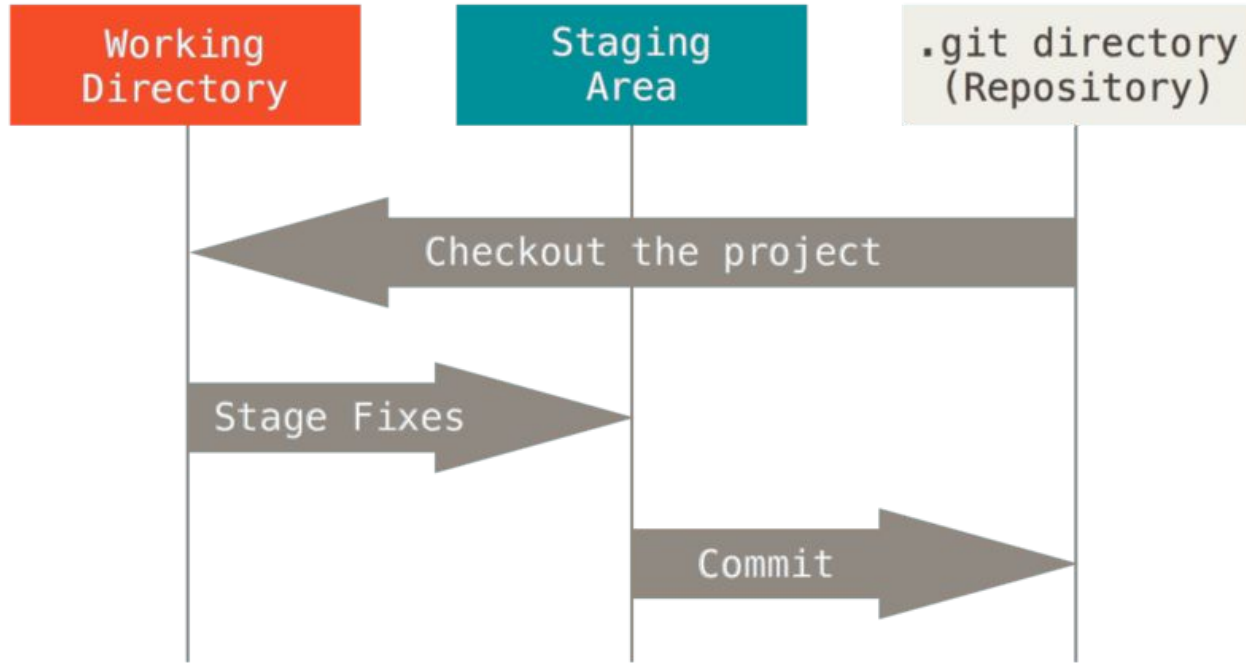
# But, what is it?

- Database that keeps snapshots of files.





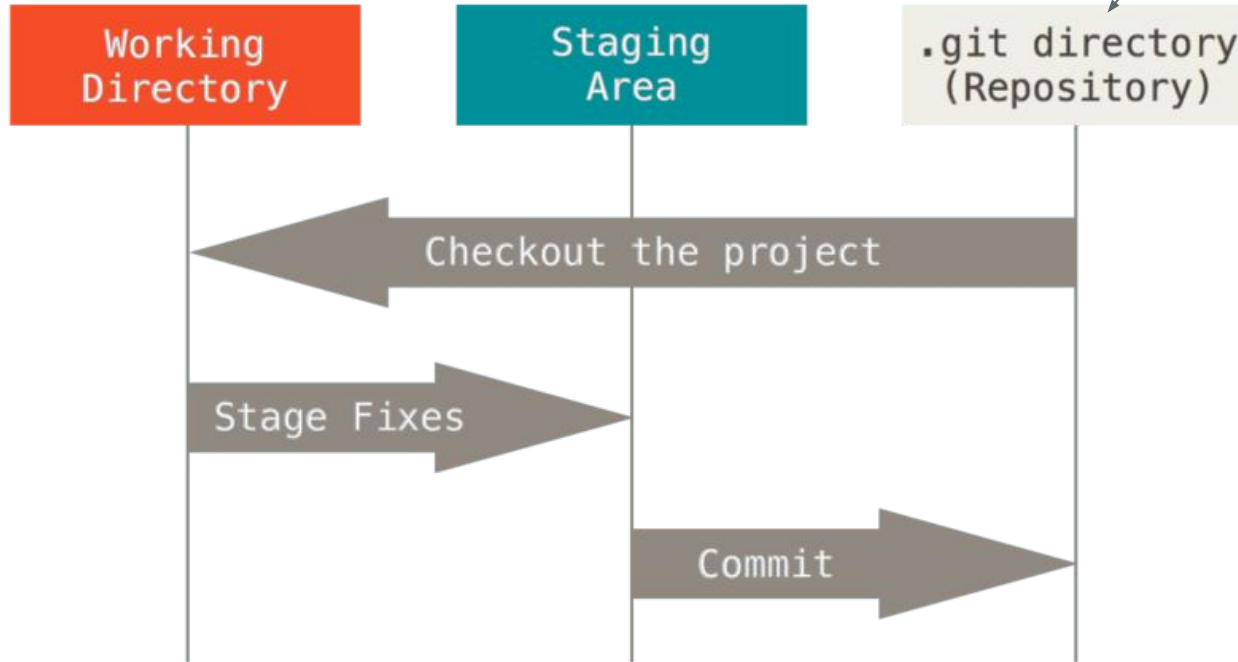
# The three git pillars



Files you  
work with!

Once you are ready, you ask git  
to take a snapshot of them (add  
to the staging area).

When you “commit”,  
whatever snapshot you  
did gets saved in the  
database.



# Let me show you how it works

