

Version control with Git and GitHub

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2017-09-22

Prerequisites

Git & Bash

earthdatascience.org/courses/intro-version-control-git

A GitHub account

github.com/join

Meet your neighbor!

1. How do you manage different file versions?
2. How do you work with collaborators on the same files?
3. How much would your science suffer if your computer exploded?

Today's schedule

Now - 2:30

- ▶ Intro to version control, Git, & GitHub

2:30 - 2:40

- ▶ **Break**

2:40 - 4:00

- ▶ Collaborative coding + review

"FINAL".doc



FINAL.doc!



FINAL_rev.2.doc



FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.
CORRECTIONS.doc



FINAL_rev.18.comments7.
corrections9.MORE.30.doc



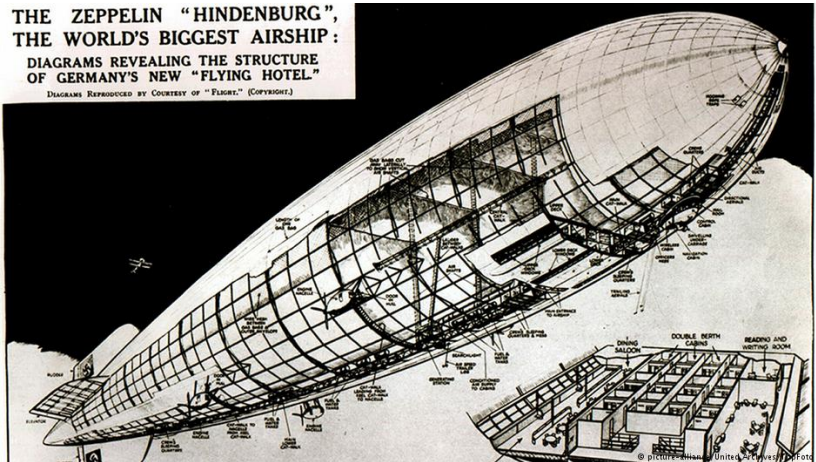
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Why version control is important

THE ZEPPELIN "HINDENBURG", THE WORLD'S BIGGEST AIRSHIP:

DIAGRAMS REVEALING THE STRUCTURE
OF GERMANY'S NEW "FLYING HOTEL"

DIAGRAMS REPRODUCED BY COURTESY OF "FLIGHT." (COPYRIGHT.)



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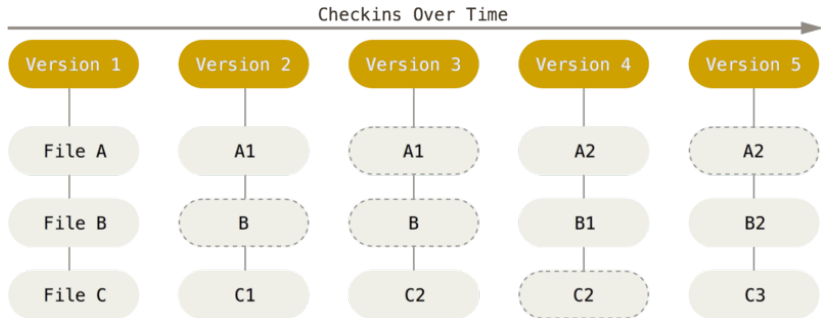
What is Git

Version control system

- ▶ manage different versions of files
- ▶ collaborate with yourself
- ▶ collaborate with other people



Git tracks versions like a stream of snapshots



Git is a distributed system

