

tretton37

Grokking Git by seeing it

Enrico Campidoglio

 @ecampidoglio

Agenda

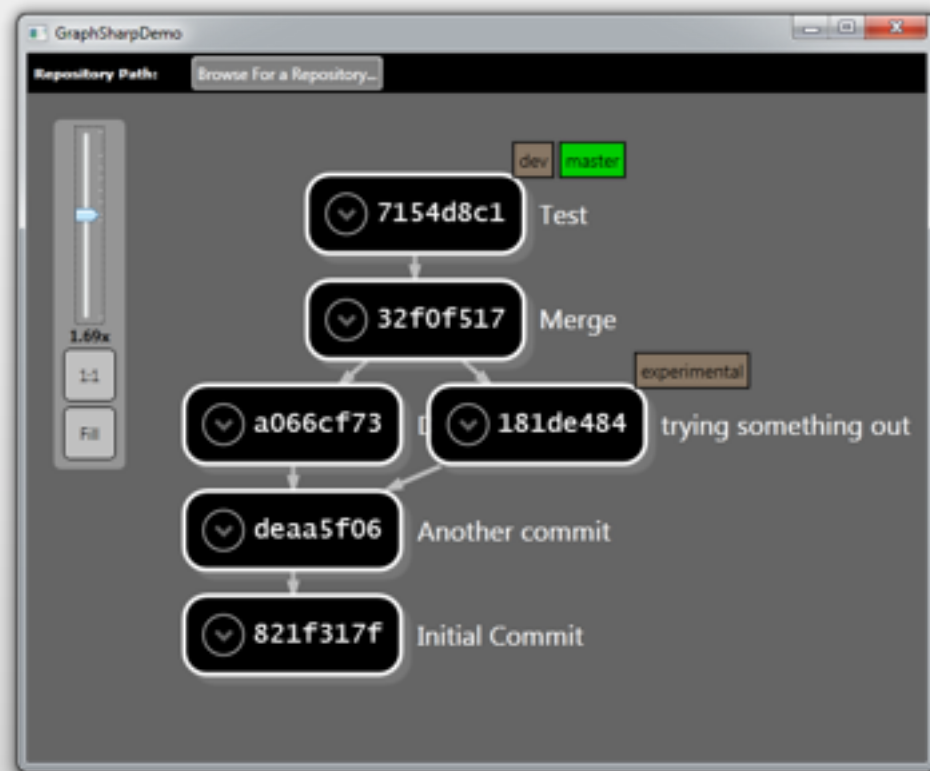
- + What is Git and why should I care?
- + Fundamentals
- + The 5 Git mantras
- + Enlightenment



```
$> It's all command line --son  
$> but that's how it's supposed to be,  
$> and I think you're gonna like it.
```

SeeGit

Fork me on GitHub



A realtime Git repository
visualizer built in .NET



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What is Git?

Git is a **distributed version control** system, with an emphasis on **speed** and **control**.

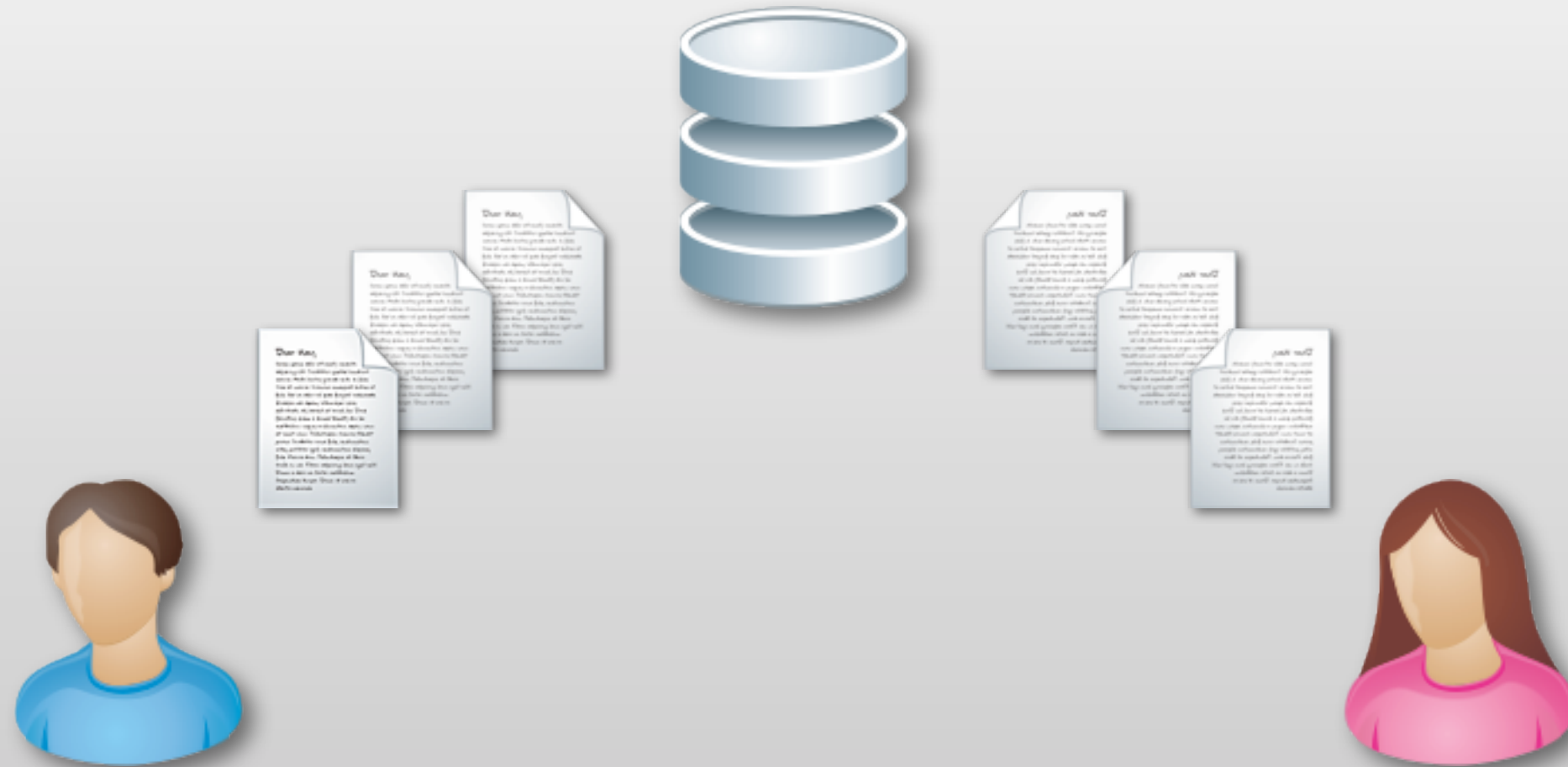


Why?

Because **Linus Torvalds** needed an alternative to **BitKeeper** that was **fast** enough to handle the Linux Kernel codebase.



Centralized VCS



Distributed VCS



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--the stupid content tracker



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commit



SHA

tree



blobs

Parent
+
Message
+
Author
+
Timestamp

2a5c7b8

Adds a new feature

John Appleseed

2013-01-17 13:37

Commit SHA



Git Mantra #1

History is a sequence of **snapshots**
that represent the **state** of a
directory through time.



Git Mantra #2

A **commit** represents a single unit of work.



Git Mantra #3

Branches are cheap.
Use them at will.



Git Mantra #4

You write
your own **history**.



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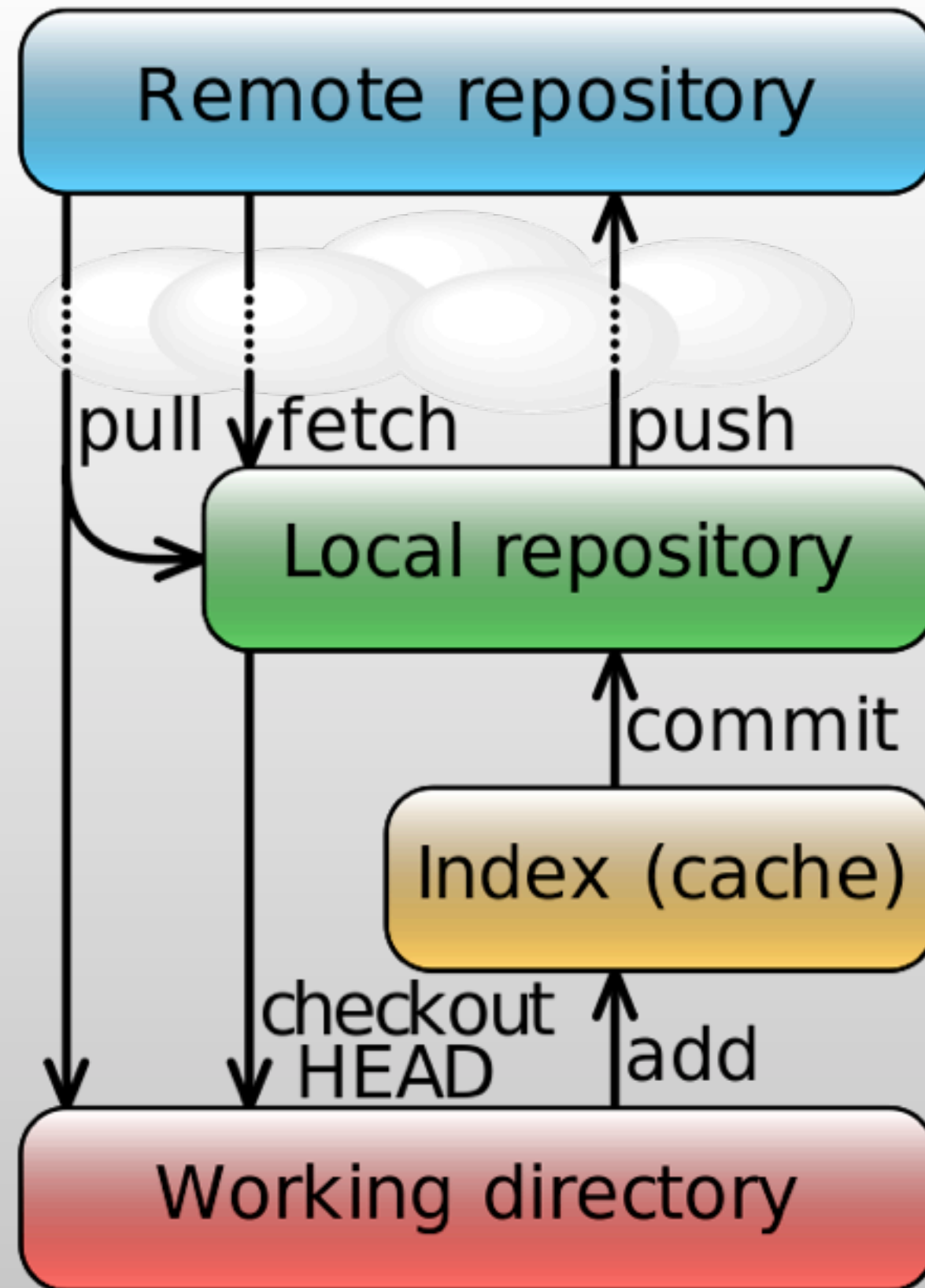
Git Mantra #5

No **repository** is an island.



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nutshell



“Understanding commits is the key to understand Git. You’ll know you have reached the Zen plateau when your mind contains only **commit topologies**, leaving behind the confusion of branches, tags and remote repositories.”

— John Wiegley, “Git from the bottom up”



Learn **it**

+ Pro Git

<http://git-scm.com/book>

+ Git from the bottom up

<http://bit.ly/gitbottomup>

+ GitImmersion

<http://gitimmersion.com>



Thank you.



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