

# Introduction to Version Control with Git [1]

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# Outlines

- 1 Background
- 2 History
- 3 Main and Essential Features
- 4 The First of Many
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# 1: Background

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- ② Text and code projects need back up plans.
- ③ The main issues with projects.
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### Definition

A tool that manages and tracks different versions of software or other content is referred to generically

## 2: History

# Histry

- Discords between tools and projects.
- The temptation of creating tools on the fly.
- Git, the information manager from hell.
- The genesis of Git.
- BitKeeper, free as in beer.



## 3: Main and Essential Features

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- Complete Repositories.
- A Clean Internal Design.
- Be Free as in Freedom

## 4: The First of Many

# The First Commit I

```
commit e83c5163316f89bfbde7d9ab23ca2e25604af29
Author: Linus Torvalds <torvalds@ppc970.osdl.org>
Date: Thu Apr 7 15:13:13 2005 -0700
```

Initial revision of "git", the information manager from hell

# The First Commit II

```
commit 1da177e4c3f41524e886b7f1b8a0c1fc7321cac2
Author: Linus Torvalds <torvalds@ppc970.osdl.org>
Date:   Sat Apr 16 15:20:36 2005 -0700
```

Linux-2.6.12-rc2

Initial git repository build. I'm not bothering with the full history, even though we have it. We can create a separate "historical" git archive of that later if we want to, and in the meantime it's about 3.2GB when imported into git - space that would just make the early git days unnecessarily complicated, when we don't have a lot of good infrastructure for it.

Let it rip!

## 5: The Bibliography



## References I

- [1] J. Loeliger and M. McCullough, *Version Control with Git: Powerful tools and techniques for collaborative software development.* " O'Reilly Media, Inc.", 2012.