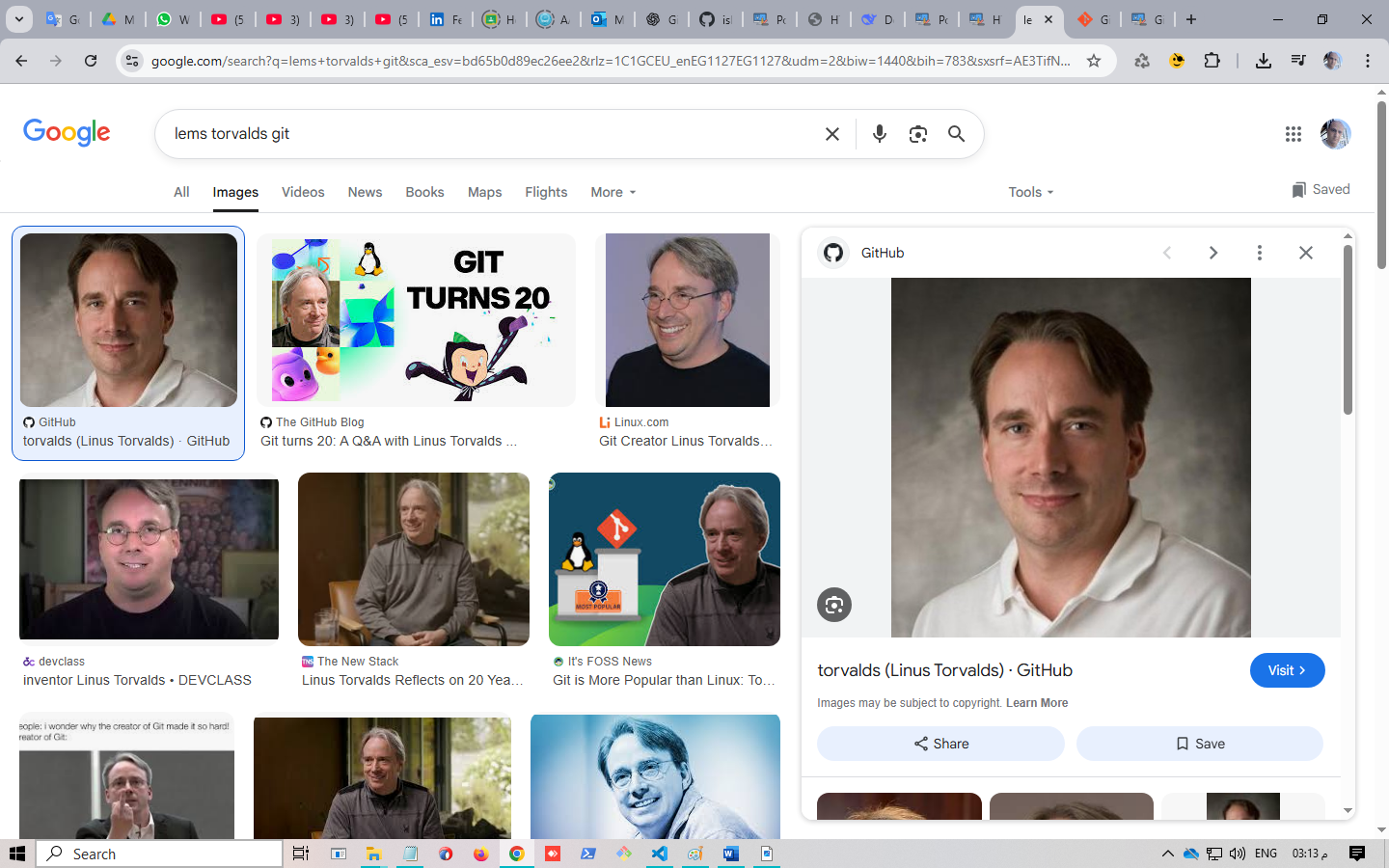
**Introduction of version control**

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**Git** is a tool used for **tracking changes in your project code**. It helps developers manage versions of their code, collaborate with others, and keep a history of all modifications made over time.

**Who created Git?**

* **Linus Torvalds**, the creator of Linux.

**When?**

* **April 2005**

**Why was Git created?**

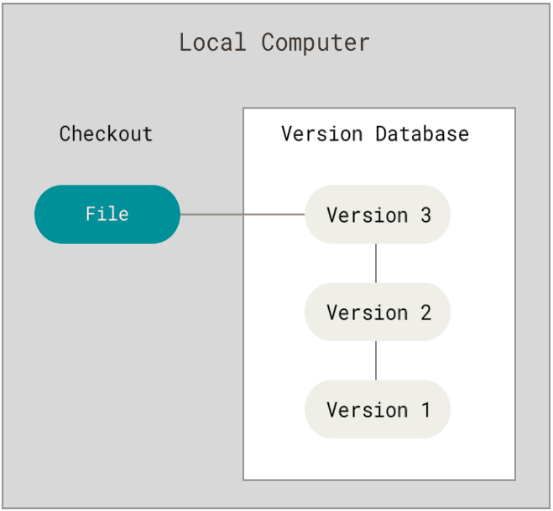
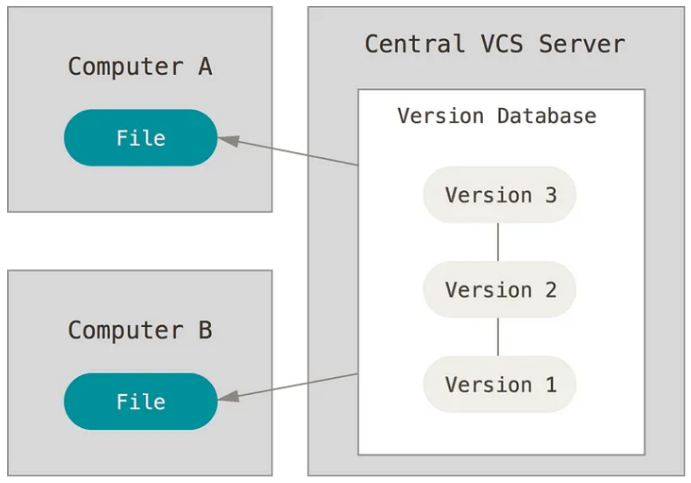
Before Git, the **Linux kernel team** used a proprietary version control system called **BitKeeper**. But:

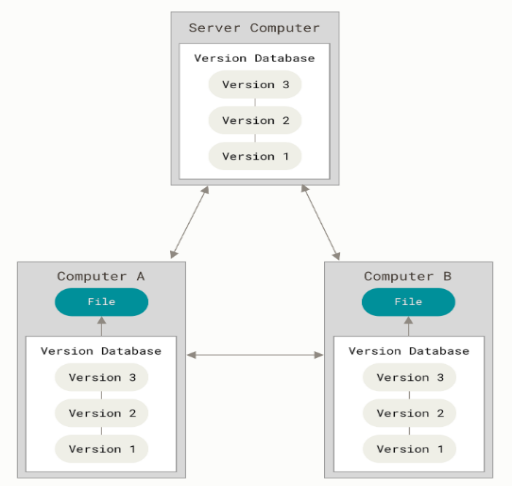
* BitKeeper was **closed source**.
* In 2005, the free license for Linux developers was **revoked**.
* Linus needed a **fast**, **distributed**, and **open-source** tool to manage changes in the Linux source code.

So, he built **Git**.

There are three versions Control from git

* Local Version Control Systems (LVC)
* Central Version Control Systems (CVC)
* Distribution Version Control Systems (DVC)





Git Basics

What Is **Git** and **GitHub**?

* Git is Distributed version control system
* Git is Free and Open Source
* GitHub is Source for Project and Sources [GitLab, Bitbucket]
* GitHub Simplify Using Git
* You Can Use Without GitHub
* Git Has GUI

Why You Must Learn Git?

* Devs Contribute to the same Project
* You Can revert changes
* You can collaborate to create new features
* You can solve conflicts
* You can organize features

Words you will hear

* Repository (repo)
* Branch
* Local Repo
* Remote Repo
* Commit (snapshot or checkpoint in your local repo)
* Clone [ from local or remote]
* Push [Upload local changes to remote]
* Pull [You pull changes from remote repo to your local]
* Pull Request [Tell other About your changes to pull it from local to Remoremote]