GitHub is a cloud-based hosting service that lets you manage Git repositories

Benefits of GitHub

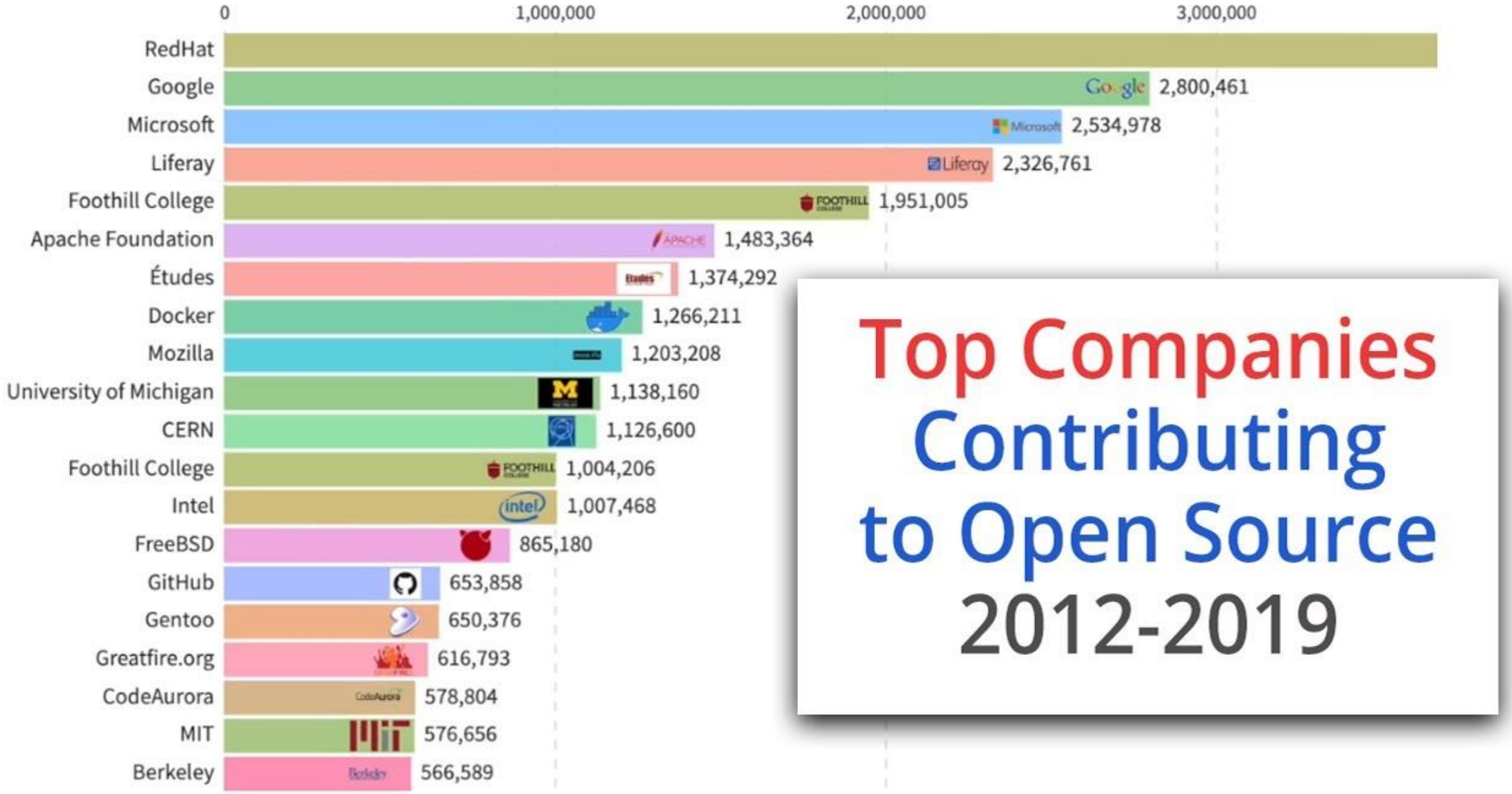
- It makes it easy to contribute to your open source projects
- Documentation
- Showcase your work
- Track changes in your code across versions
- Enable effective collaboration
- Easy evaluation of each other's work

Why GitHub so popular

- Powerful community
- The largest shared repository
- Easy version control
- Secure cloud storage

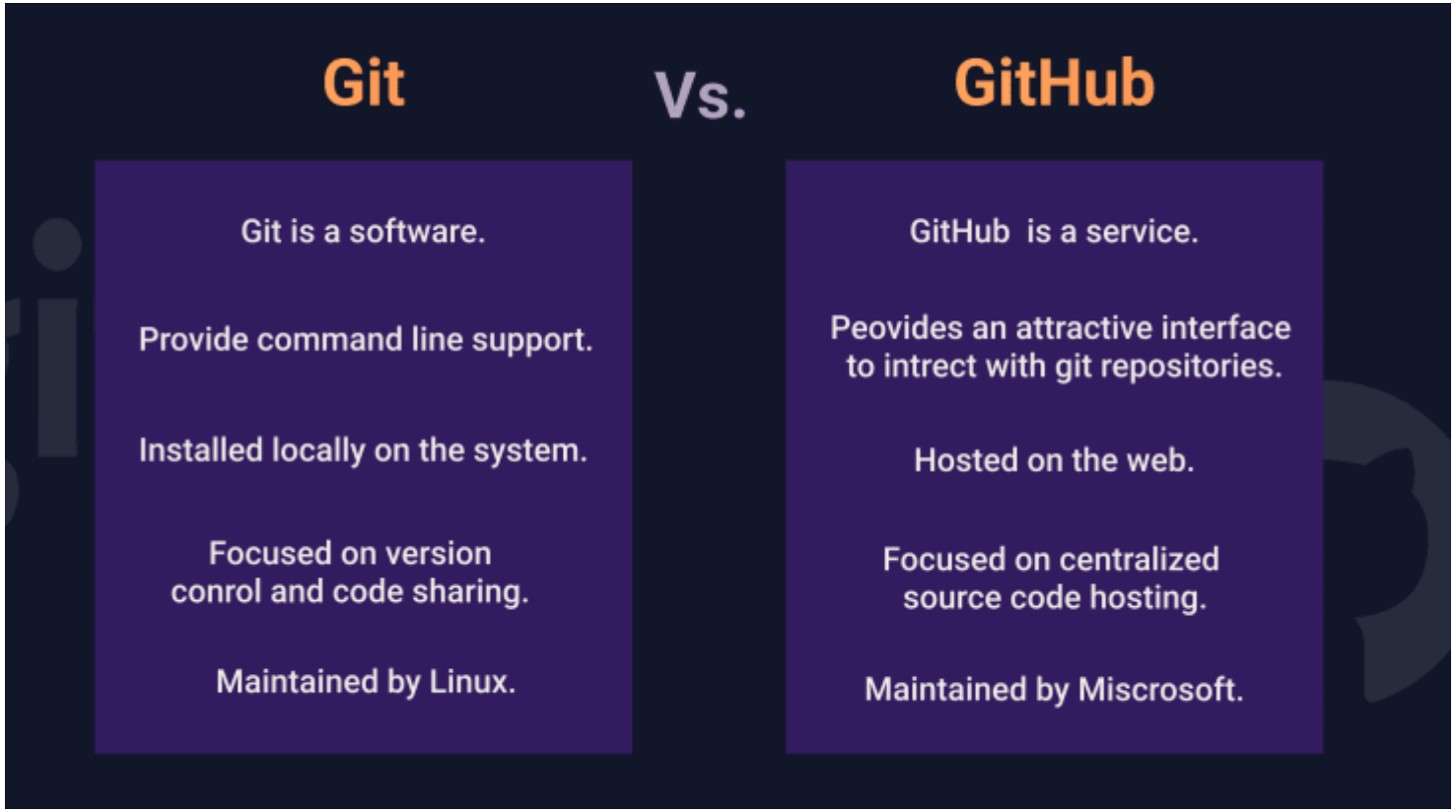
- Microsoft is number 1 contributor of GitHub
- Google IBM, SAP, PayPal and may companies are also contributing

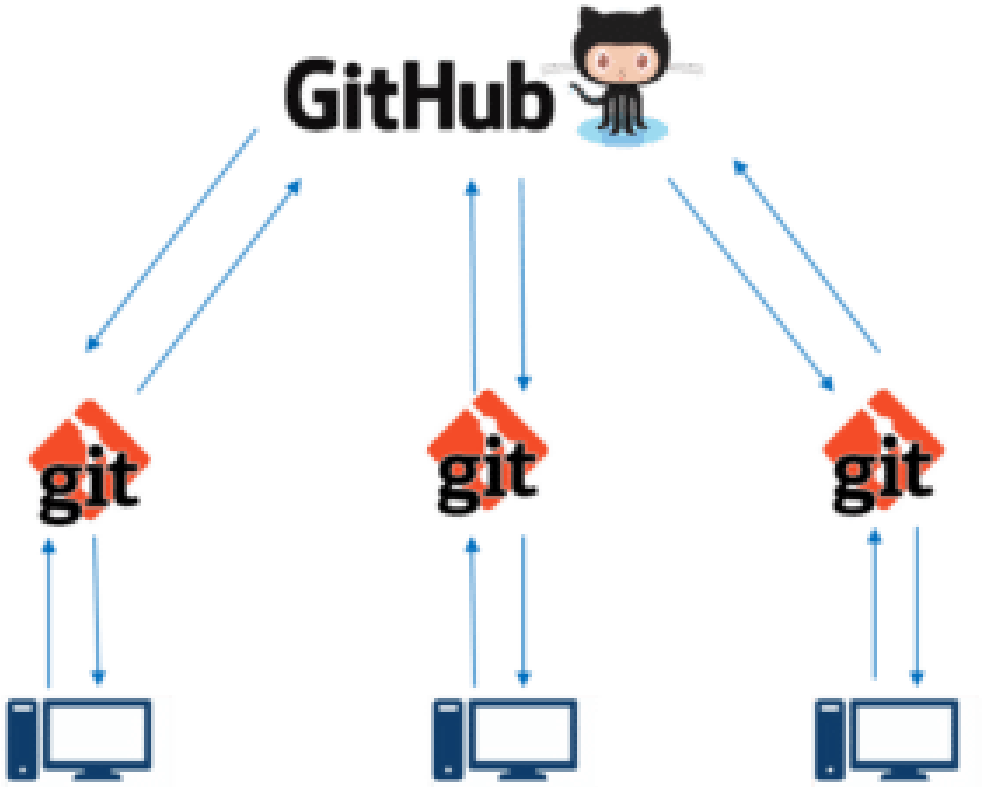
According to GitHub, Microsoft is in a whole other universe of contributions with their high impact on the open source landscape through their large contributions to projects, estimated to be at around 4,550 contributors.


0
1,000,000
2,000,000
3,000,000
RedHat
Google
2,800,461
Microsoft
2,534,978
Liferay
2,326,761
Foothill College
1,951,005
Apache Foundation
1,483,364
Études
1,374,292
Docker
1,266,211
Mozilla
1,203,208
University of Michigan
1,138,160
CERN
1,126,600
Foothill College
1,004,206
Intel
1,007,468
FreeBSD
865,180
GitHub
653,858
Gentoo
650,376
Greatfire.org
616,793
CodeAurora
578,804
MIT
576,656
Berkeley
566,589
Top Companies Contributing to Open Source 2012-2019

GitHub is a cloud-based hosting service that lets you manage Git repositories

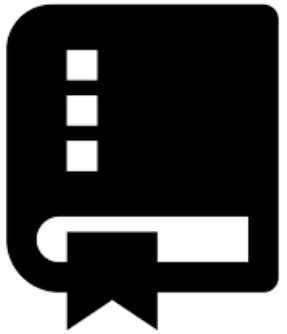
Git is a version control system that lets you manage and keep track of your source code history.





- Git pushes or pull data from the central server
- GitHub is a core hosting platform for version control collaboration
- GitHub is a company that allows you to host a central repository in a remote server

Repository:



Storage space for your project

GitHub is very popular central repository that allows you to share your files

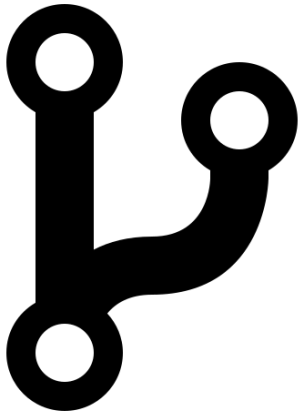
Push your local repo into GitHub and share it with other collaboration via the central repo

Commit:

Records changes to one or more file in your branch

Git Assigns each commit a unique ID, call SHA or hash, that identifies the specific changes

Branch:

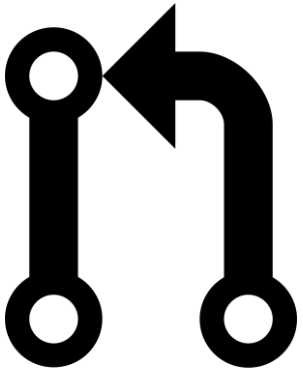


Branch allow you to work on other features

They can be included with the main line of your project

The main branch – the one where all changes eventually get merged back into, and it’s called Master Branch

Open & Merge Pull Request



Notifies developers about changes you have pushed to a branch in repository

Acknowledge and Review changes

You can create a pull request on