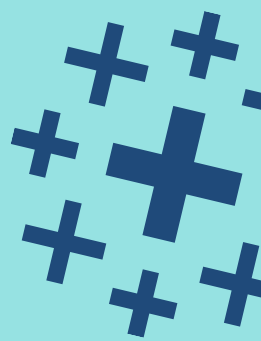


# OPEN SOURCE PROJECTS



The term open source refers to something people can modify and share because its design is publicly accessible. Open source projects, products, or initiatives embrace and celebrate principles of open exchange, collaborative participation, rapid prototyping, transparency, meritocracy, and community-oriented development.

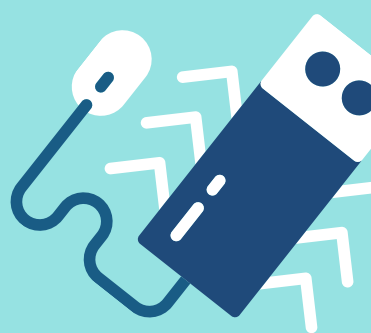
## 1 WHAT IS OPEN SOURCE?

Open source software is software with source code that anyone can inspect, modify, and enhance. "Source code" is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software—a "program" or "application"—works.



## 2 DIFFERENT FROM OTHERS.

Open source software is different from closed or "Proprietary" software. Its authors make its source code available to others who would like to view that code, copy it, learn from it, alter it, or share it. LibreOffice and the GNU Image Manipulation Program are examples of open source software.



## 3 NOT ONLY FOR DEVELOPERS.

Open source technology and open source thinking both benefit programmers and non-programmers. Early inventors built much of the Internet itself on open source technologies—like the Linux operating system —anyone using the Internet today benefits from open source software.



## 4 REASON BEHIND POPULARITY.

People prefer open source software to proprietary software for a number of reasons, including: Control, Stability, Security and Community. Many people prefer open source software because they have more control over that kind of software.

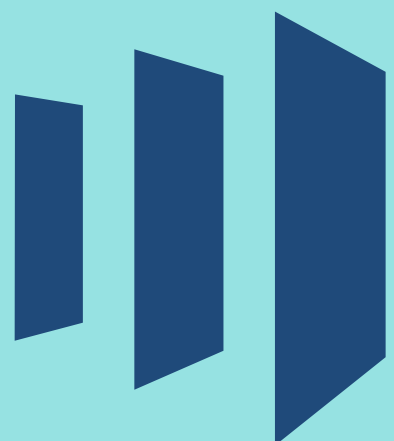


## 5 NOT EXACTLY FREE OF CHARGE.

This is a common misconception about what "open source" implies, and the concept's implications are not only economic. Open source software programmers can charge money for the open source software they create or to which they contribute.

## 6 "BEYOND SOFTWARE"?

Open source is not only a way to develop and license computer software, but also an attitude. Approaching all aspects of life "the open source way" means expressing a willingness to share, collaborating with others in ways that are transparent and embracing failure as a means of improving.



## 7 VERSION CONTROL SYSTEMS.

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later. The various types of the version control systems are: Local Version Control System. Centralized Version Control System. Distributed Version Control System.

## 8 GIT HOSTING PLATFORMS.

There are many services which host Git technology to facilitate open source projects like Github, GitLab, SourceForge, BitBucket and Launchpad. Some examples of open source projects hosted on these platforms are Python, Blender, GIMP and many more.

