

What is open source?

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What is open source?

Why Open source?
Security

Who open sources?

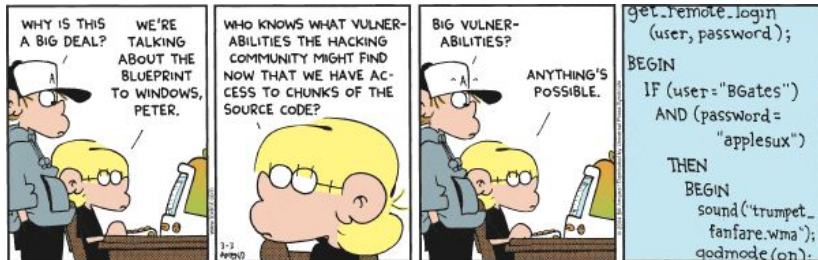
Where is open source?

How to open source

Open Source Initiative definition

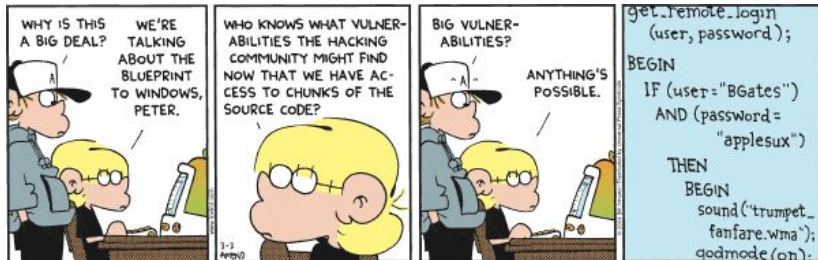
1. **Free Redistribution** where the code can be changed or used in aggregate software and redistributed
2. **Source Code** must be available ("the highest cost being a reasonable reproduction cost")
3. **Derived Works** must be allowed at least under the same license
4. **Integrity of the author's source code** can be maintained by enforcing modified versions to be released under a different name
5. **No discrimination against any person or group of persons**
6. **No discrimination against fields of endeavour** (politics, business, genetic engineering, etc)
7. **Distribution of License** is maintained as the software is distributed
8. **License must not be specific to a product** (aka I can take connman's dhcp code without the rest of it if I keep the license)
9. **License must not restrict other software** by saying something like "I cannot be distributed alongside proprietary code"
10. **License must be technology-neutral**

Open Source is more secure



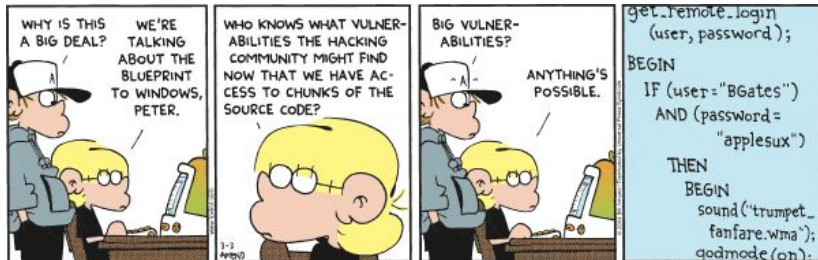
- ▶ People can audit the code for vulnerabilities

Open Source is more secure



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Open Source is more secure



- ▶ People can audit the code for vulnerabilities
- ▶ Backdoors are hard to hide
- ▶ The security industry thrives on openness



Who open sources

Organizations devoted to open source:

- ▶ Mozilla
- ▶ Free Software Foundation (FSF is actually devoted to Free Software)
- ▶ Open Source Initiative (OSI)
- ▶ Apache Software Foundation
- ▶ Linux Foundation
- ▶ Many more

Where to find open source projects

- ▶ Github
- ▶ Bitbucket
- ▶ SourceForge

- ▶ Have an Android?
 - ▶ Android is open source
- ▶ Have an Iphone or a Mac?
 - ▶ The kernel (Darwin) is open source
- ▶ TVs
- ▶ Routers
- ▶ Household appliances
- ▶ Web servers

How to contribute to open source (and why you should)

How to contribute-Making your own project

- ▶ Give your project a license
- ▶ Put it out there (Github, Bitbucket, GitLabs, etc)

How to contribute-Working on others' projects

- ▶ Find a project that enthuses you or something useful to you
- ▶ Start participating!

But why should I?

- ▶ Improve the tools you use everyday
- ▶ Improve your skills
- ▶ Build your resume!

Questions?