

Kamil Puszczynski / 28-03-2023



DAO-Fi: The DAO and DeFi Code Challenge

Checkpoint 1: Ready, Set, CODE!

Open Source Philosophy

Did you know that the first instance of open source was not related to software at all?



The first ever open source piece of software was not Unix!



SPERRY UNIVAC



8.30 P.M.

IT'S AWFULLY EARLY, BUT I'LL GO OUT ON A LIMB.

UNIVAC PREDICTS--with 3,398,745 votes in--

	STEVENSON	EISENHOWER
STATES	5	43
ELECTORAL	93	438
POPULAR	18,986,436	32,915,049

THE CHANCES ARE NOW 00 to 1 IN FAVOR OF THE  
ELECTION OF EISENHOWER.

# OPEN SOURCE SOFTWARE



# Open Source in Numbers

# 90%

of companies are using open source software

“Octoverse 2022”, GitHub

# 97%

of projects on GitHub are using open source

"Octoverse 2022", GitHub

**86**

**528**



No. of avg open source components

No. of avg open source components

**2016**

**2021**

“Open source security and risk analysis”, Synopsys

# 100%

of the top500 supercomputers are running Linux

"Top500 Supercomputers Benchmark", 2020 edition

# £50B

open source value to the business (UK)

"State of Open 2021", OpenUK



# Open Source Philosophy

Open Source Software (OSS) is software that is distributed with its source code, making it available for use, modification and distribution with its original rights.



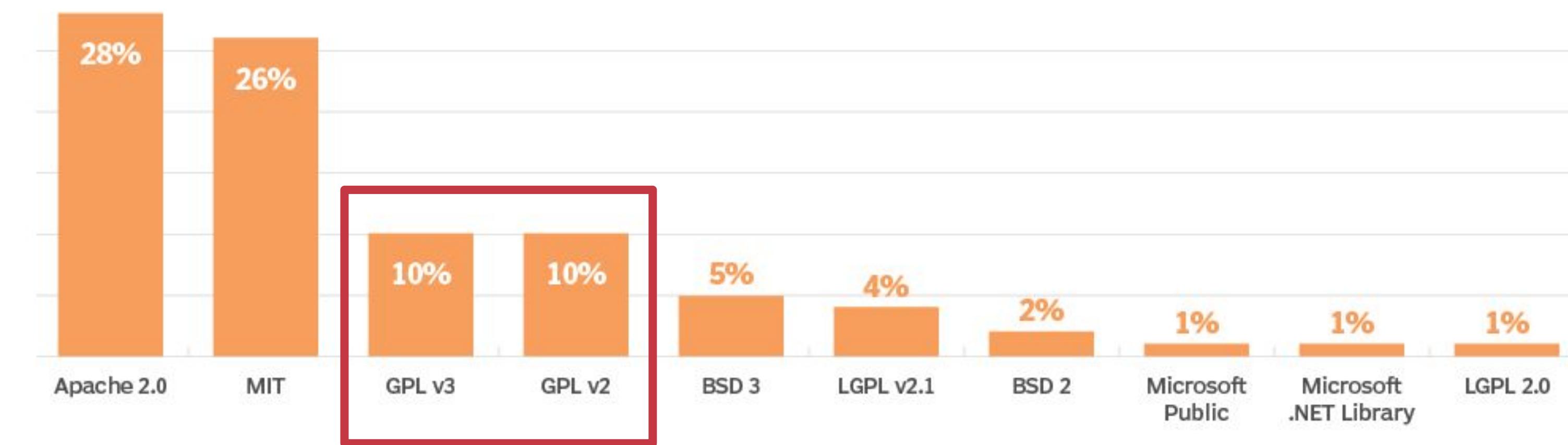
- ① **Freedom 0:** The freedom to run the program, for any purpose
- ② **Freedom 1:** The freedom to study how the program works, and change it to make it do what you wish
- ③ **Freedom 2:** The freedom to redistribute copies so you can help your neighbor
- ④ **Freedom 3:** The freedom to distribute copies of your modified versions to others





## GNU GPL (General Public License)

### Popular open source licenses



Whitesource, 2021

**“An open source license protects contributors and users.  
Businesses and savvy developers won’t touch a project without  
this protection.”**

*choosealicense.com*

**COPYLEFT****License****Permissions****Conditions****Limitations****GNU GPLv3**

- Commercial use
- Distribution
- Modification
- Patent use
- Private use

- Disclose source
- License and copyright notice
- Network use is distribution
- Same license
- State changes

- Liability
- Warranty

**GNU LGPLv3**

- Commercial use
- Distribution
- Modification
- Patent use
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- Disclose source
- License and copyright notice
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- State changes

- Liability
- Warranty

**Mozilla Public License 2.0**

- Commercial use
- Distribution
- Modification
- Patent use
- Private use

- Disclose source
- License and copyright notice
- Same license (file)

- Liability
- Warranty

**Apache License 2.0**

- Commercial use
- Distribution
- Modification
- Patent use
- Private use

- License and copyright notice
- State changes

- Liability
- Trademark use
- Warranty

**MIT License**

- Commercial use
- Distribution
- Modification
- Patent use
- Private use

- License and copyright notice

- Liability
- Warranty

**Boost Software License 1.0**

- Commercial use
- Distribution
- Modification
- Private use

- License and copyright notice

- Liability
- Warranty

**The Unlicense**

- Commercial use
- Distribution
- Modification
- Private use

- Liability
- Warranty

source: [www.chdoosealicense.com](http://www.chdoosealicense.com)

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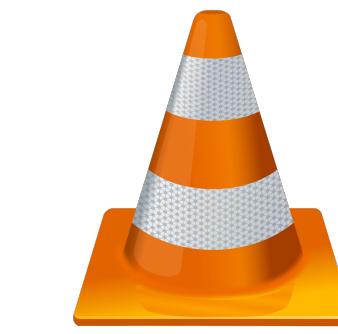
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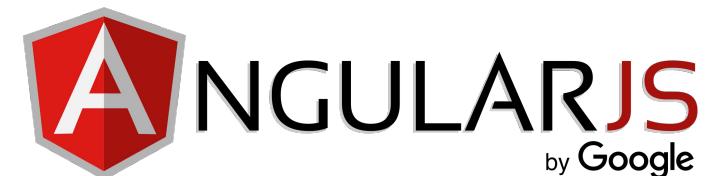
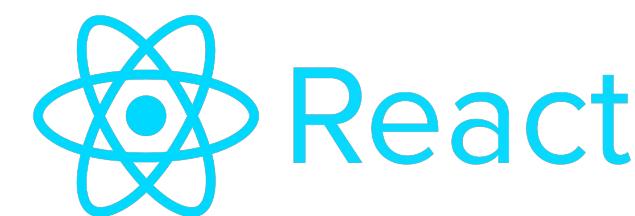
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## GNU GPL 3.0



## MIT License



## Mozilla Public License

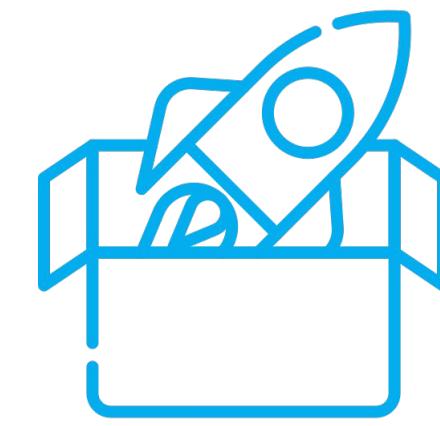


## Apache License 2.0



Software under different licenses

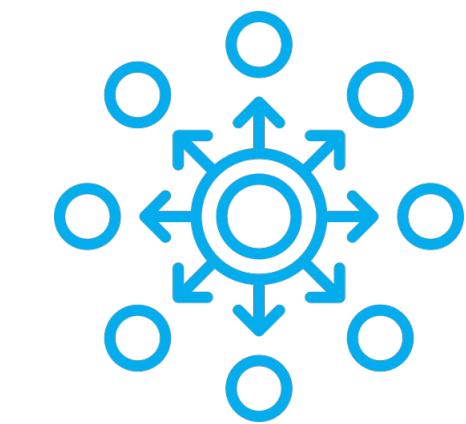
# Why Open Source Software matters for Blockchain?



Unleashing the  
potential



Transparency &  
Security



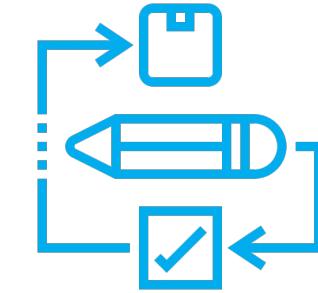
Decentralization

# Open Source Adversaries

# OPEN SOURCE CRITIQUE



The availability of the source code and right to modify



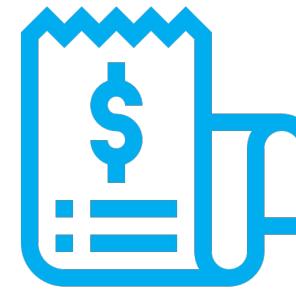
The right to redistribute modifications and improvements



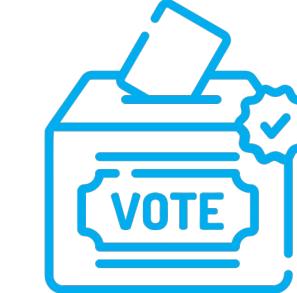
The right to use the software in any way



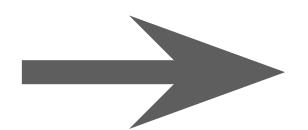
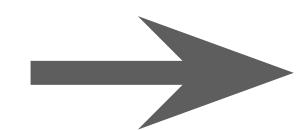
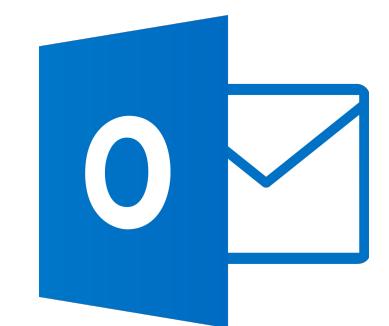
No single entity that takes care of the future of software



No per-copy fees can be asked for modified versions



It provides a new forum for democratic action



## **Equity Crowdfunding**

ex. Fundable

## **Rewards Crowdfunding**

ex. Kickstarter

## **Initial Coin Offering**

ex. Gate.io Launchpad

## **Security Token Offering**

ex. Securitize.com



# **Soft Drink Formula**

**Version 1.1.3**

## **Disclaimer:**

Making soft drinks is not for the faint of heart, nor the dirty of finger. It is a solemn enterprise not to be entered into lightly, as with marriage or buying used farm machinery.



## **Open Cola**

## **Open Source Ecology**



# How To Contribute?



<https://github.com/aeternity>

How we do it?



Free SOFTWARE  
FOUNDATION

open source initiative

**WWW.FSF.ORG**

**WWW.OPENSOURCE.NET**

How you can get involved?



Pick up a **license** that fits the best

&

Keep your code **open** from day 1!



# THANKS!

