

**What comes after world domination?**



**April 14,**

**Daniel**



# Daniel Stenberg

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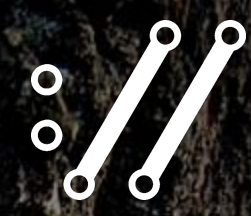


<https://daniel.haxx.se>









Just ask!



# Software eats the world

everything is *smart* now

Phones, **cars**, busses, **trains**, television sets, **toothbrushes**,  
stoves, **refrigerators**, washing machines, **kitchen devices**,  
medical equipment, **bus stops**, vacuum cleaners, **lawn mowers**,  
locks, **fire alarms**, thermostats, **lamps**, tools, **bathroom scales**,  
facets, **toys**, flower pots, **doors**, cameras, **bicycles**, pet  
equipment, and much much more

*smart* = runs software



# Open Source eats software

*96% of commercial code contains Open Source*





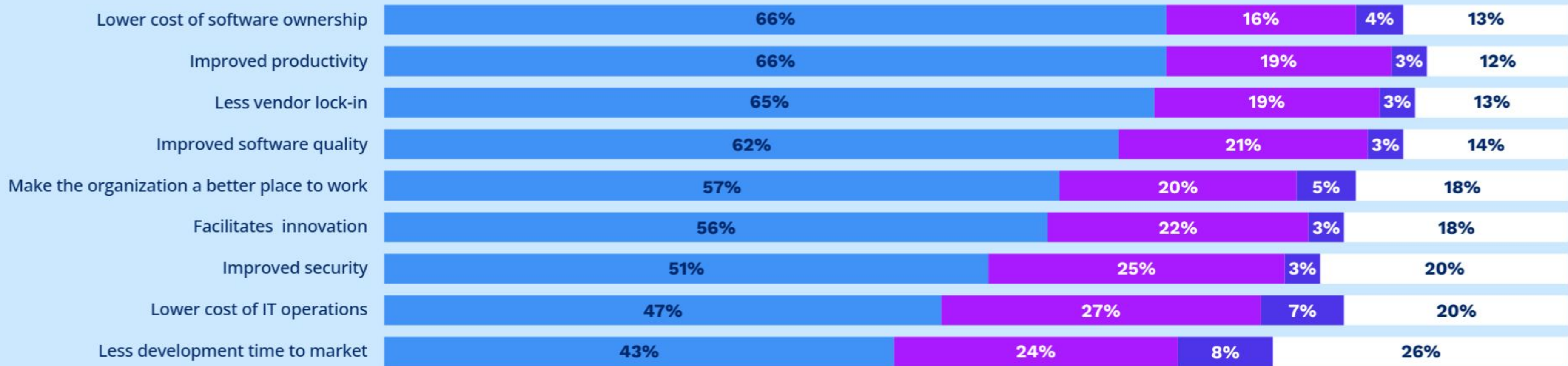
**All software uses Open Source**

*including Free Software*



# Why

How often does using OSS deliver the following benefits in your organisation? (select one response per row)



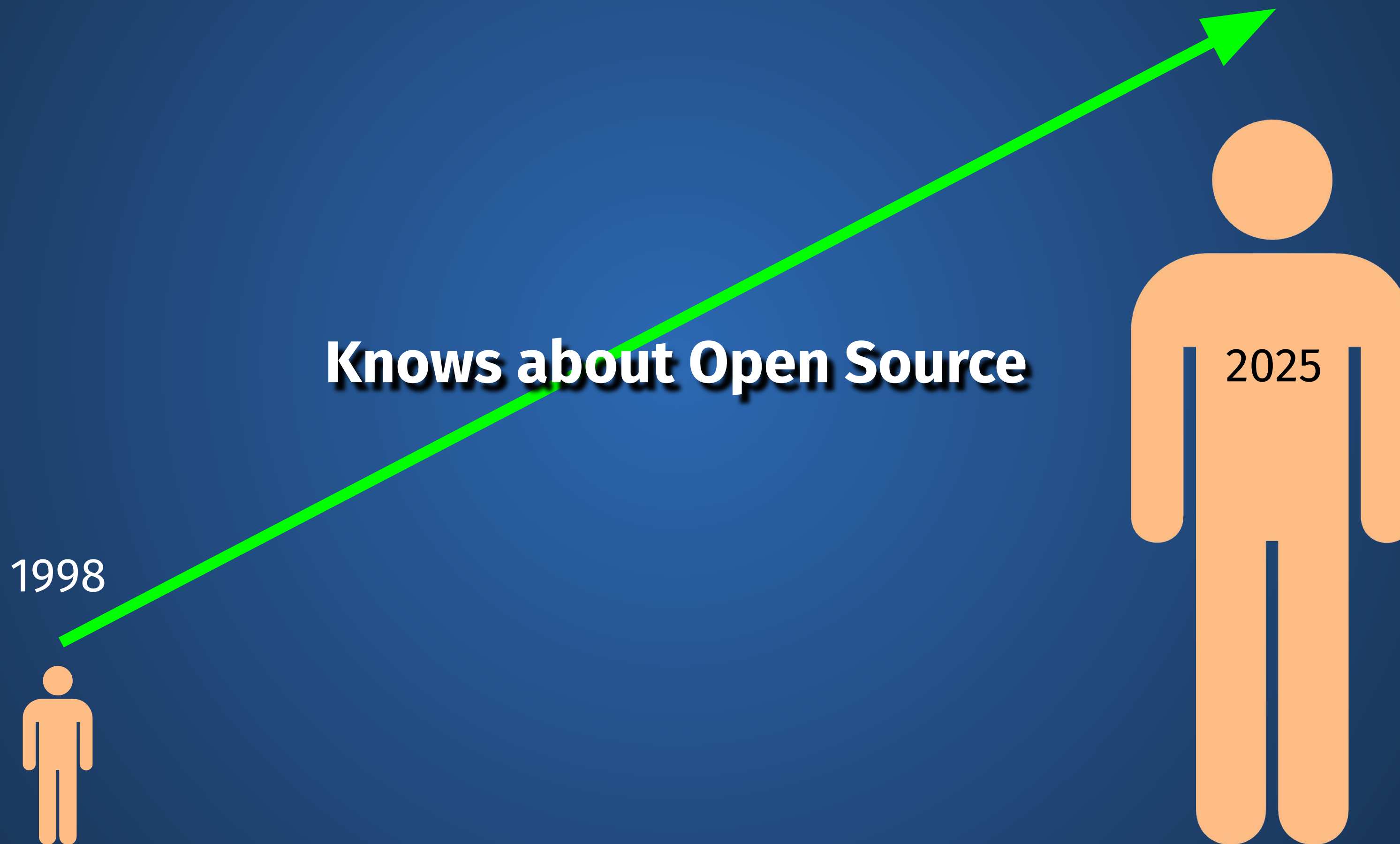
2023 World of Open Source Survey (Europe), Q34, Sample Size = 209, (respondents who answered 'Extremely or Very influential')

2024 World of Open Source Survey (Europe), Q47, Sample Size = 180, (answered by those who actively participate in OSS projects in Q44)

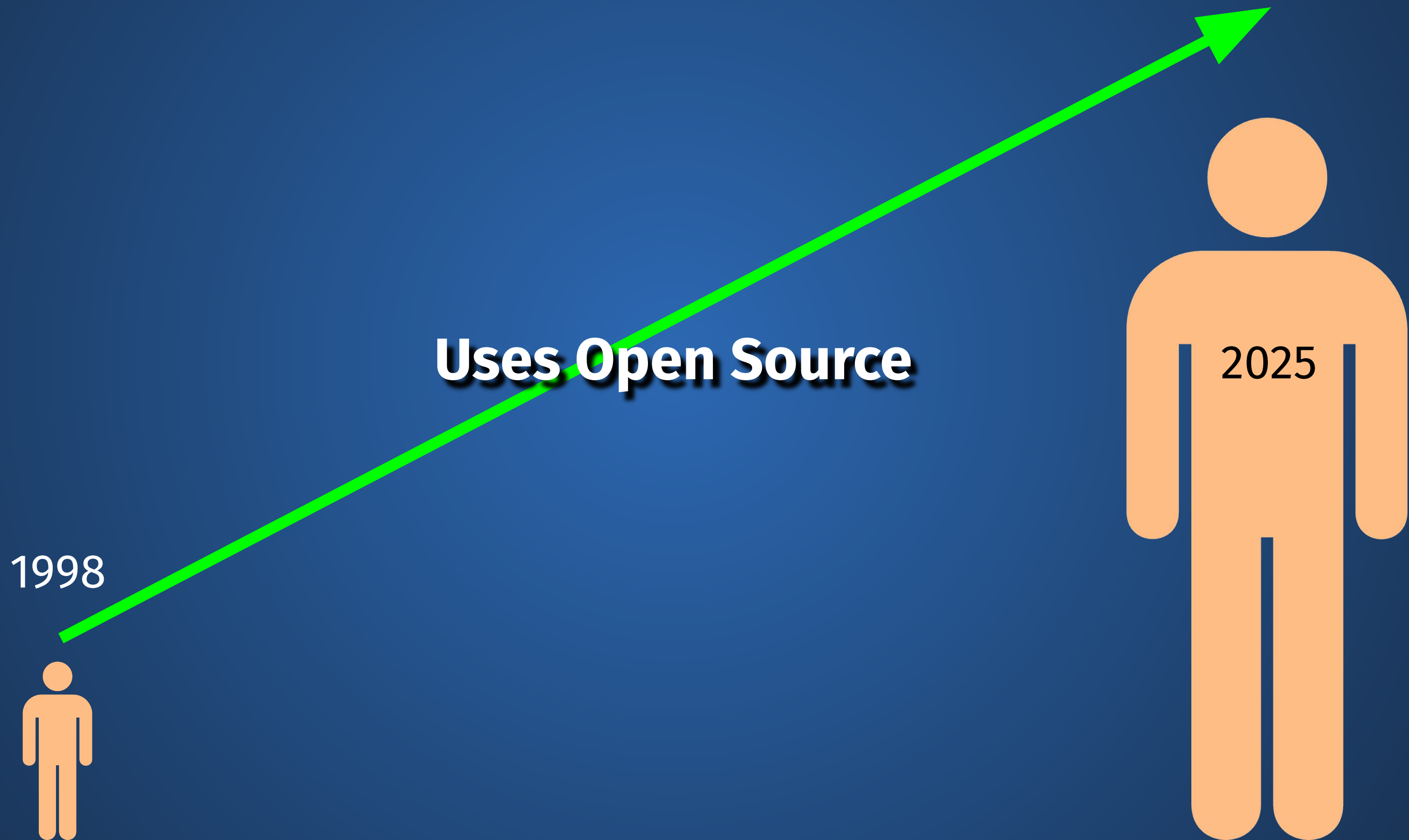
Often Sometimes  
Rarely Dont know or not sure



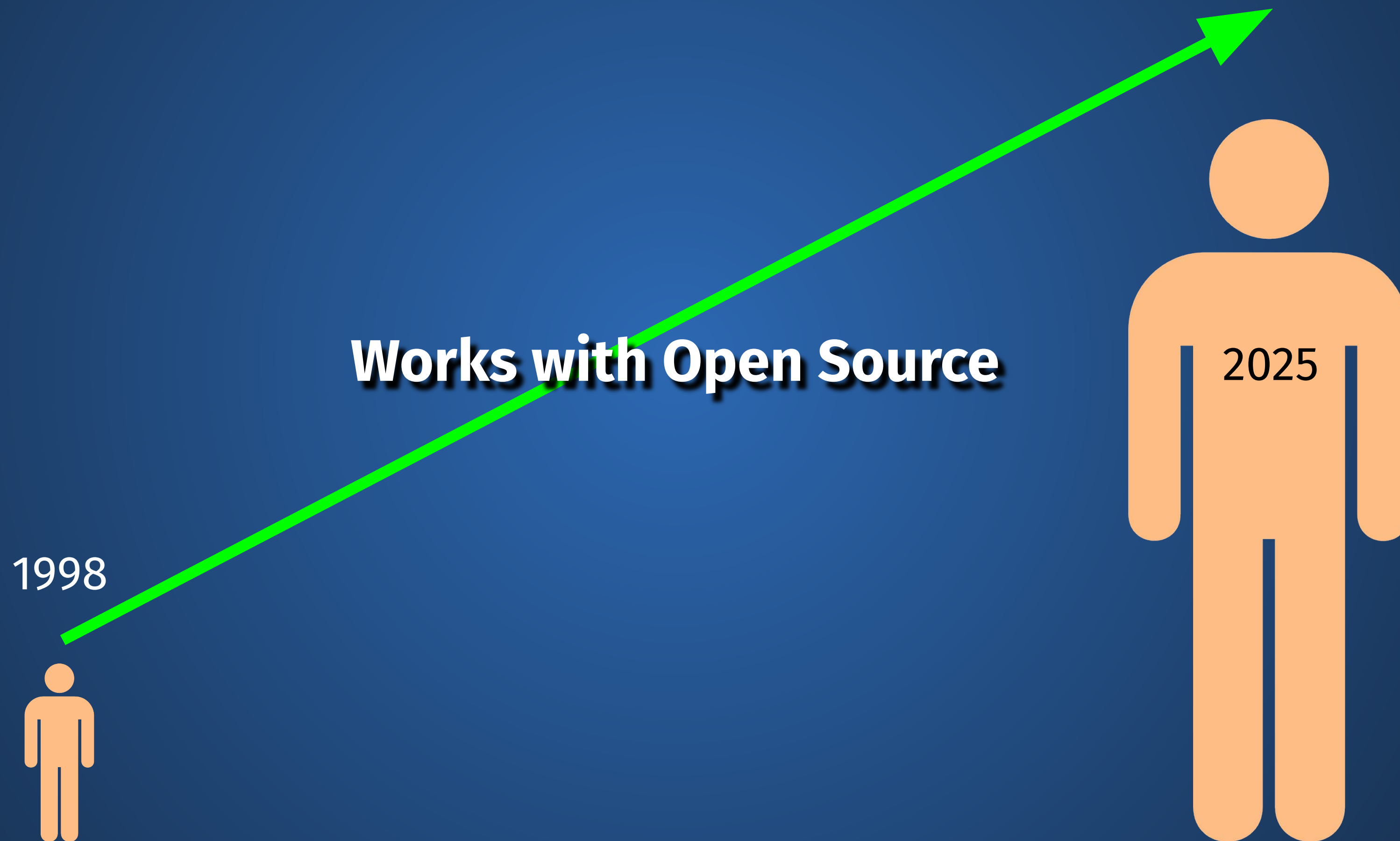




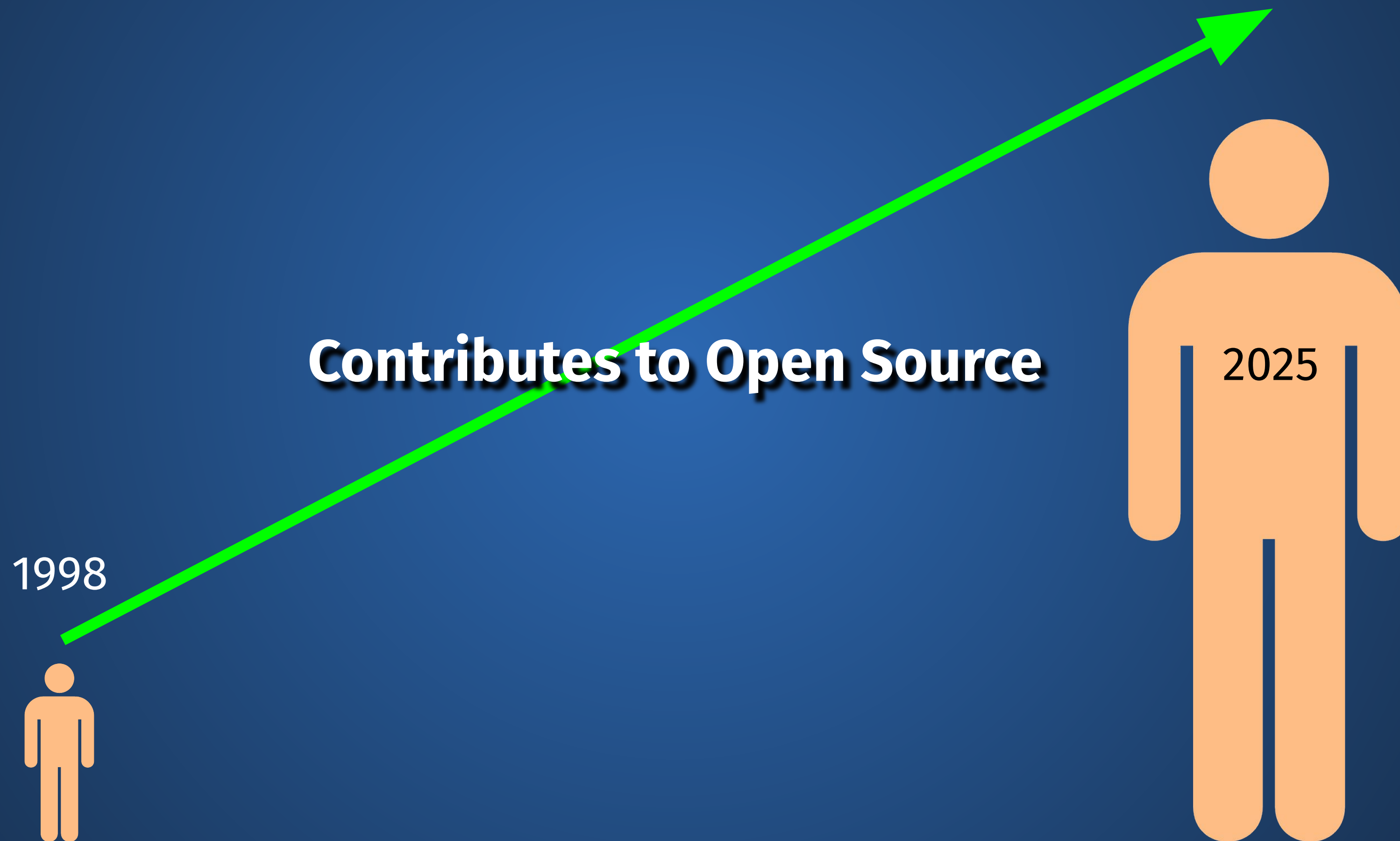




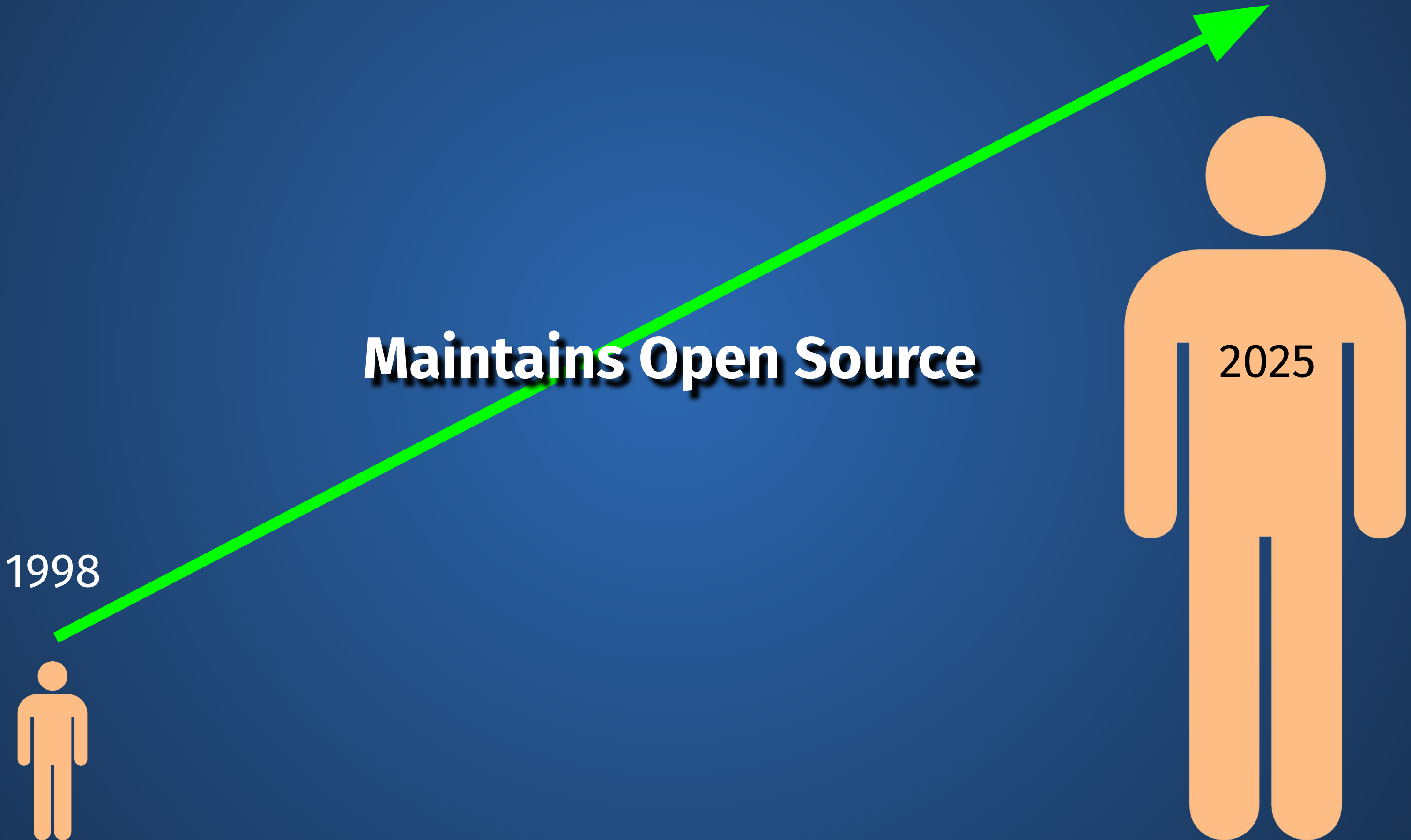






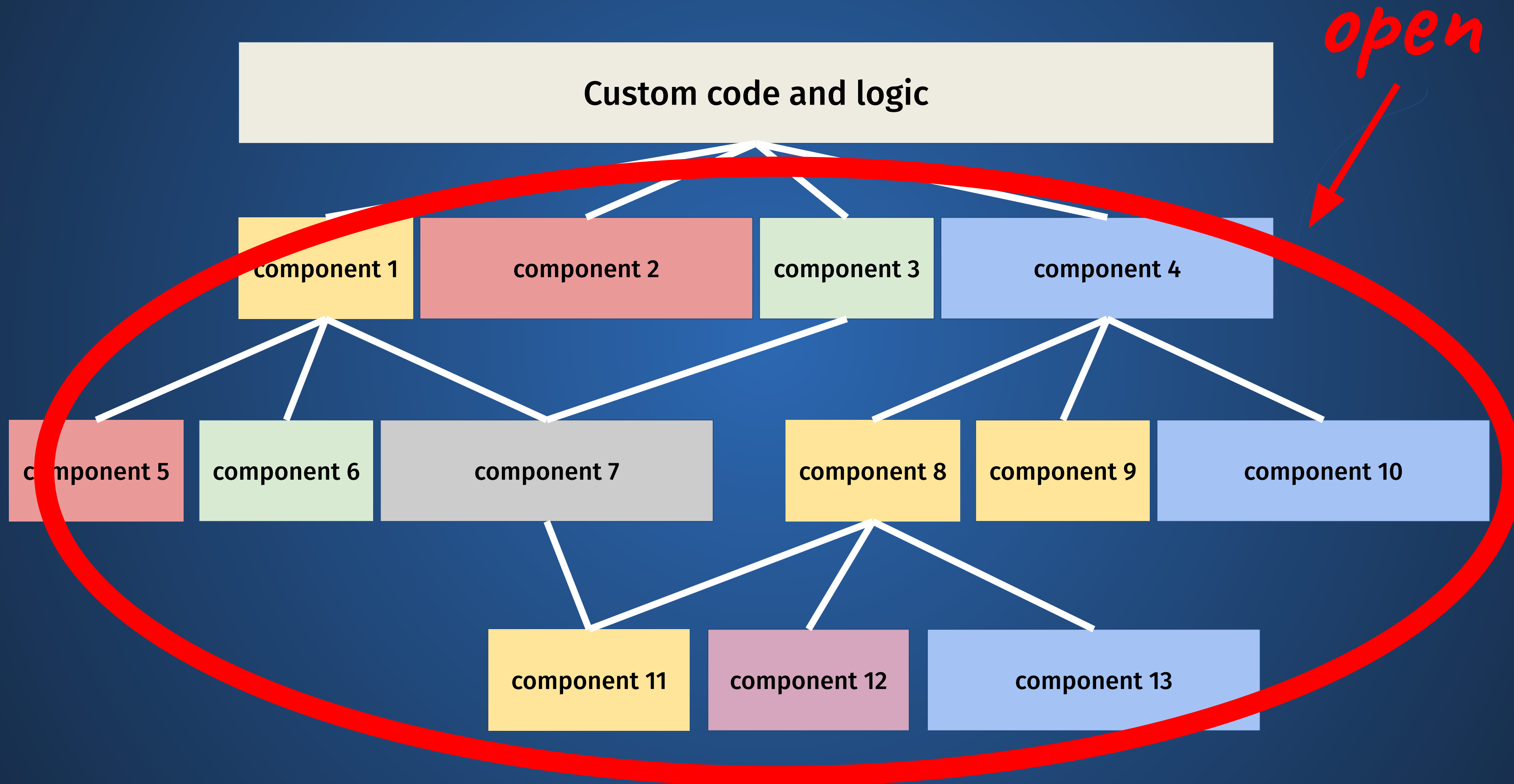








# All modern software













We estimate the value of OSS at \$8.8 trillion USD

Firms would need to spend 3.5 times more on software than they currently do if OSS did not exist



Harvard  
Business  
School



*We estimate the value of  
OSS at \$8.8 trillion USD*



Harvard  
Business  
School



10.7 million Packages  
230 million Repositories  
1.6 million Developers



license/editor/distro wars



open is often default



Even lots of Hardware is open



# We can even get awards





Heterogeneous  
Not done by foundations  
We are all different



# Open Source



We are all different



**Did we really win?**



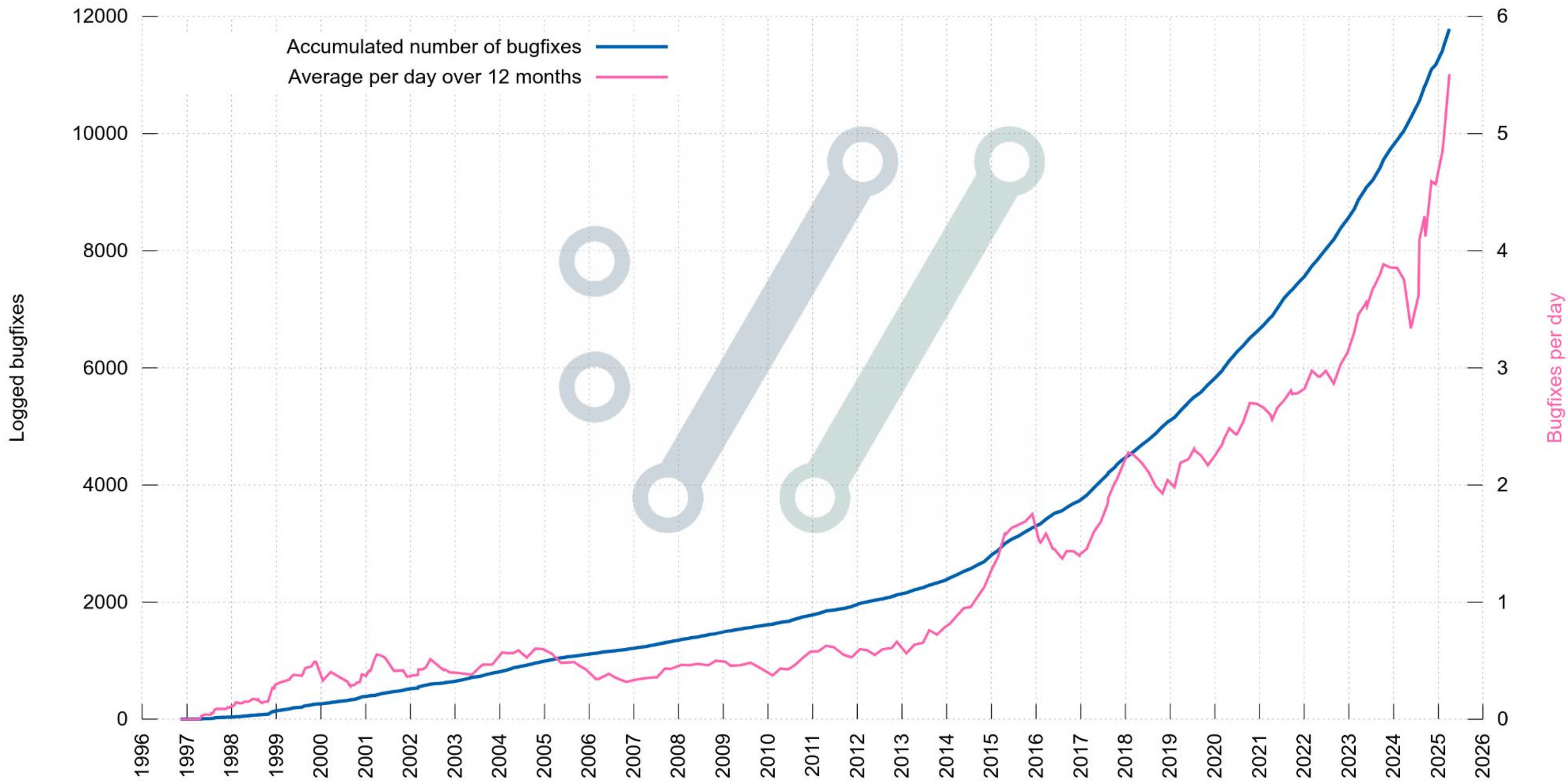
**What's next?**



**Everything can be improved**



# Bugfixes

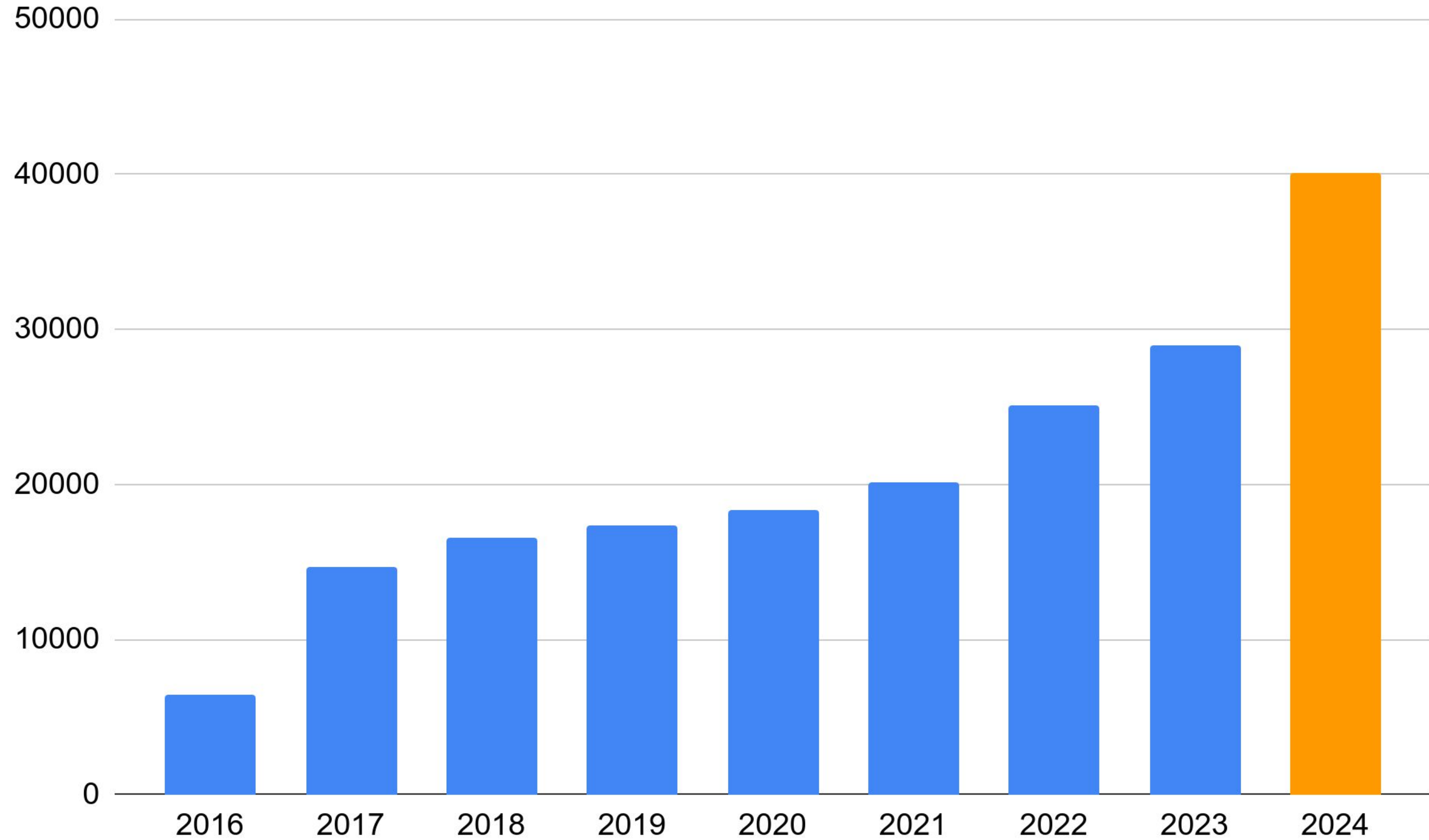




# Security

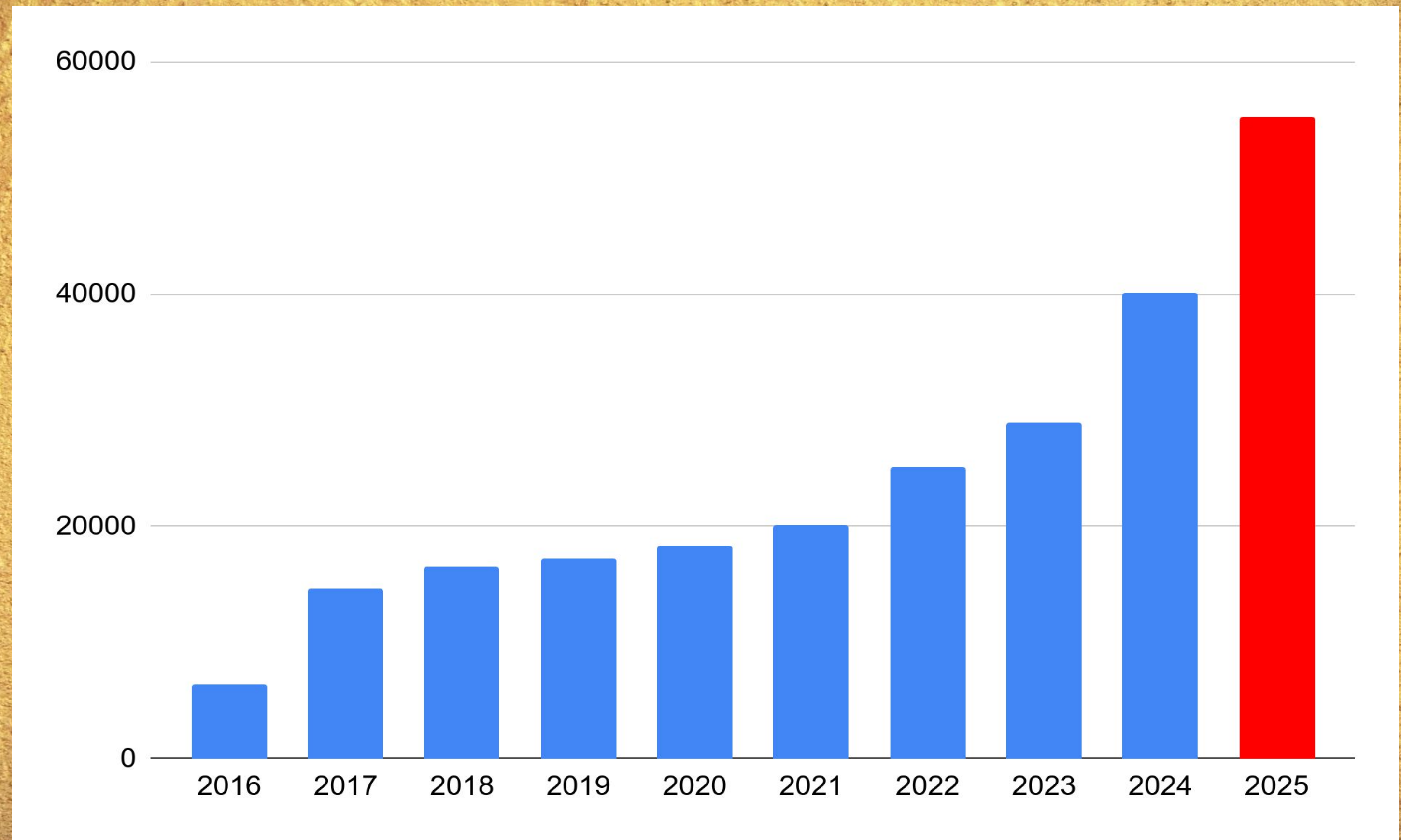


# Reported vulnerabilities





# Reported vulnerabilities maybe





***“Given enough eyeballs, all bugs are shallow”***



# Memory-safe languages?



**CRA**

**Taking responsibility**



# **Sustainable finances**



# **Sustainability through maintainers**



**xz utils**

**can you handle Jia Tan in your project?**



***“96% of the value is created by only 5%  
of OSS developers”***



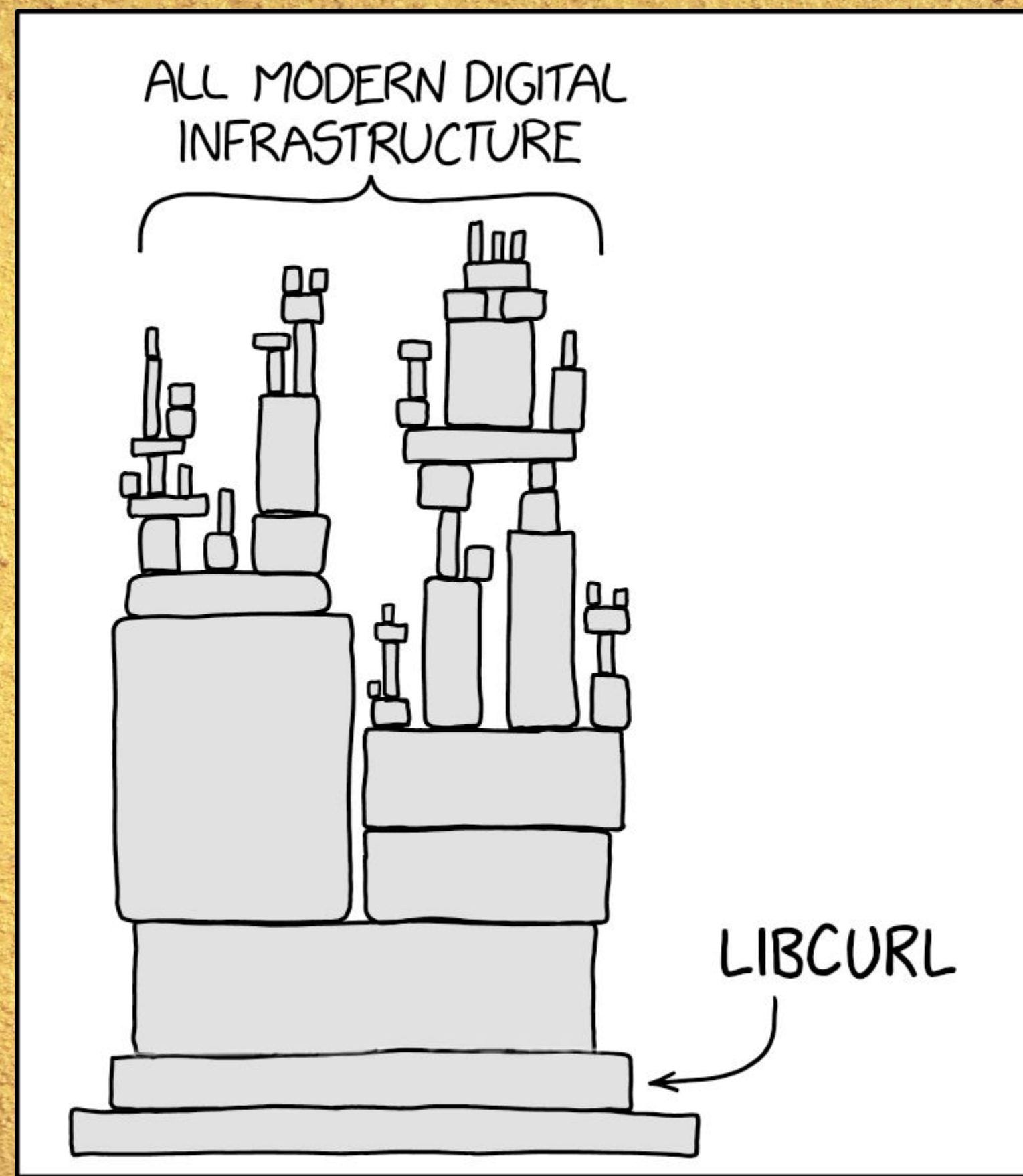
Harvard  
Business  
School



# The median number of maintainers in an Open Source project

**1**







**Where are the younglings and minorities**



# **Sustainability without former friends?**



**Where is the hosting?**

**Where is the infrastructure?**

**Where are the foundations?**

**Where are our contributors?**



**AI**



**Is AI use in Open Source okay?**

**Can we handle the AI scraper-bot load?**

**Does AI reduce the value of contributions?**

**Does AI make us lazy and dumb?**



**source code hosting monoculture**



**hampers innovation**  
**problematic for some nationals**  
**not Open Source**



**package manager resilience?**



# **browser monoculture**



**future**



more Open Source  
done resilient  
more diverse  
better funded



*106 million USD value per  
top-5% OSS developer*



Hi Daniel,

I've written a web fuzzer in C using your library libcurl. I want to thank you for writing a this easy to use, fast and good library. I'm 11 years old and I don't have much experience but your library made it possible.



*let's make the future bright*

2025





QUESTIONS?



# License



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## **What comes after world domination?**

***Open Source has in many ways already won. It is used in every product by every company, to a very a large degree. But we are not done. We can improve: we can take this further, we can make our projects better, we can enhance our communities and make sure it is done sustainably. The future is ours.***

**Daniel Stenberg, April 14 2025 @ foss-north**