



1. Who?

- CRob, n, adj, and v
 - Pronunciation: U.S. (K-robe)
- Over 20 years of Enterprise-class Architecture, Engineering, Operations, and Security experience
- Ambassador of Red Hat Product Security
- Participant in the FIRST PSIRT SIG, VulnCoord SIG, and others
- Co-Author FIRST PSIRT Services Framework
- Pirate-enthusiast & hat-owner



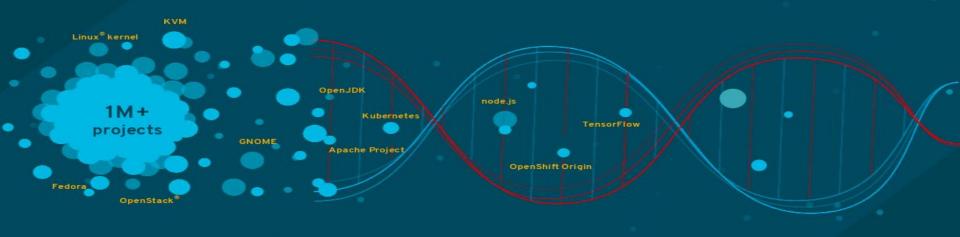






OPEN SOURCE IS THE SOURCE

OF TECHNOLOGICAL INNOVATION



"Blah, Blah, Blah, Marketing slide, Blah, Innovation, Blah, plus tax" - CRob

"open source" refers to something people can modify and share because its design is publicly accessible.1

It's FREE, so it MUST be good, right?



CLOSED SOURCE

- "Traditional" Software.
- Probably single-supplier.
- Unknown practices to create, package, & deploy products (might have great docs to share)
- "One throat to choke" for support, updates, etc
- Might be embedding/using OSS....



OPEN SOURCE

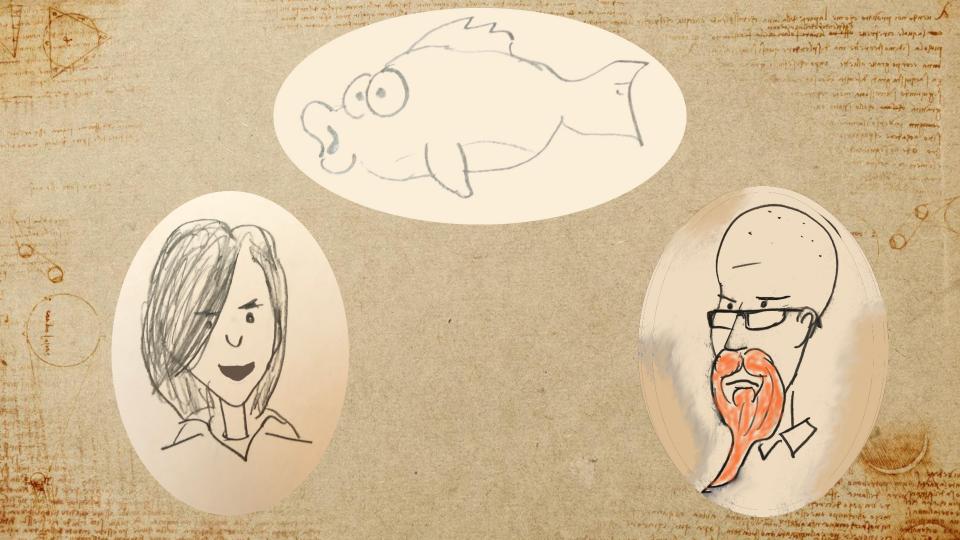
- "New" software model with different processes/practices
- Multiple contributors
- Open and auditable processes and code (that YOU can go audit)
- Rarely a single source for support and updates
- Depending on size/maturity of "team" varying levels of quality

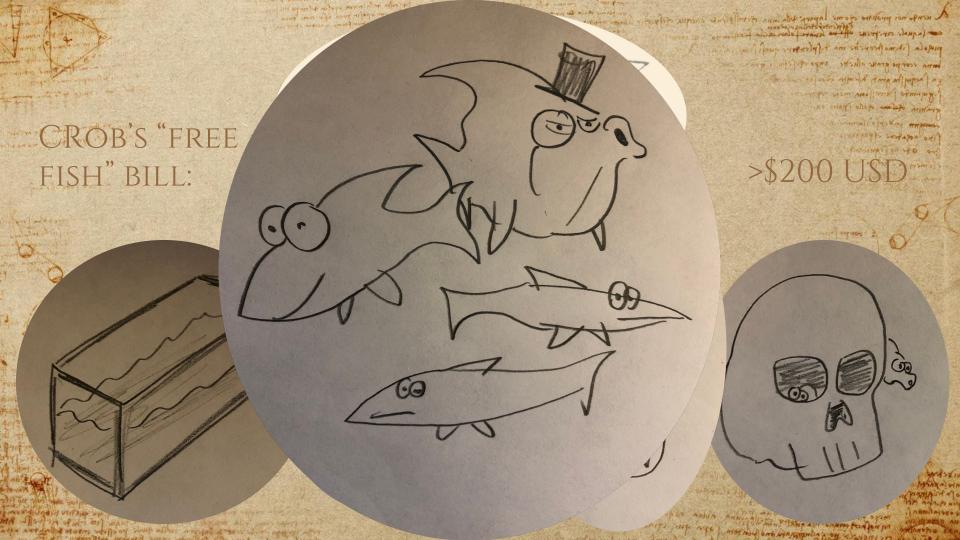
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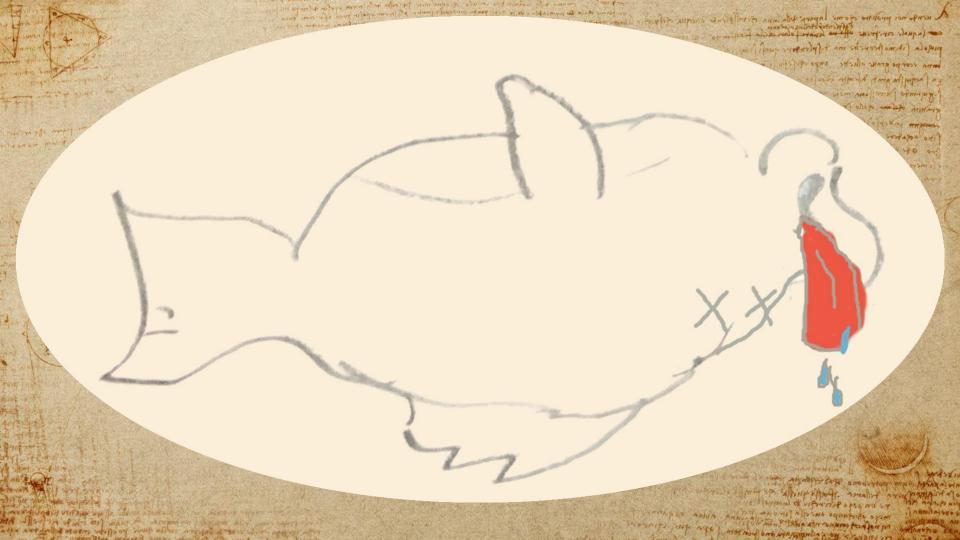
Think: "Waterfall"

Think: "Agile", but with stronger opinions

The retelling of The Old CRob, the Free Fish, and the Sea









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OPEN SOURCE IS KINDA LIKE A FREE FISH

YOU GENERALLY HAVE EXTRA WORK TO DO AROUND THE FISH.

IT CAN BE PRETTY COOL (THAT BUBBLY PIRATE CHEST WAS THA AWESOMES)!

IF YOU LEAVE A 12 YR OLD TO OVERSEE IT IT'S GOING TO DIE. <--FACT

.... IN OTHER WORDS, WITH A LITTLE BIT OF EFFORT, IT CAN
BE BEAUTIFUL, BUT IT TAKES WORK!

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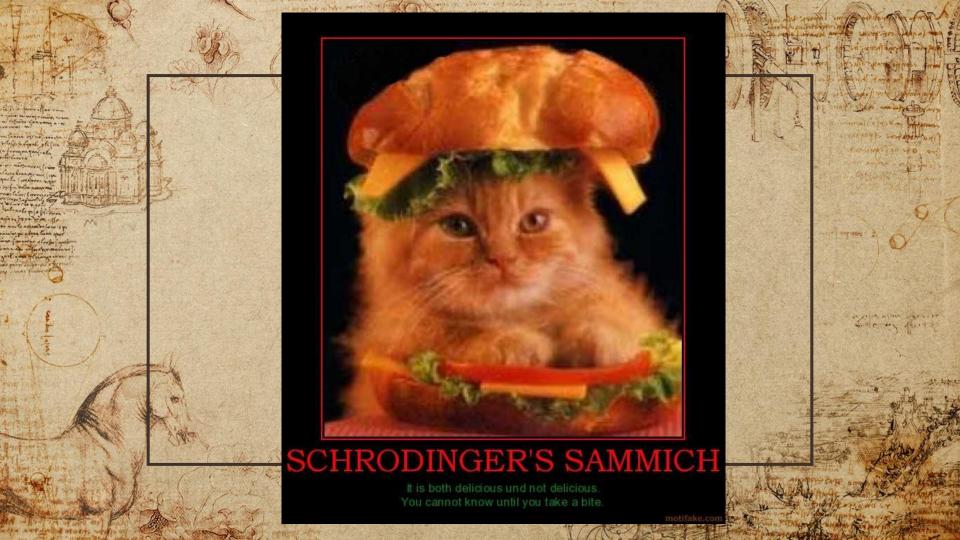
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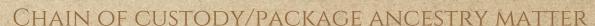












TRUSTED BUILDS BY TRUSTED MAINTAINERS ON PROTECTED

INFRASTRUCTURE

CHANGES DOCUMENTED AND TRACKED

SIGNED WITH AUTHORIZED_KEYS



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How are YOU going to monitor and support it?

Some fish food for thought:

How was the code made and tested?

How do they vet new code submissions?

How often are updates provided?

How are those fixes communicated? Do they do advisories?

Do they have a security team? Can they handle embargoes or communicate confidentially?

How are YOU going to acquire and test these updates?

Can you get RFEs or security vulns fixed by the upstream team.... Or do you have to do that yourself?

What is your plan if upstream refuses to fix something?

What licenses were used and what are you allowed to do with the code?



Open Source comes in many flavours

Project

Smaller efforts, class projects, "for fun", POCs.

You should expect little to no/"best effort" help from these

Community

More formalized. A group of folks working towards a more defined goal.

Will have their own rules/culture

Commercial

Someone is getting paid to support the software.

You have support terms & contracts



Uncontrollable upstream

Unknown Contributors

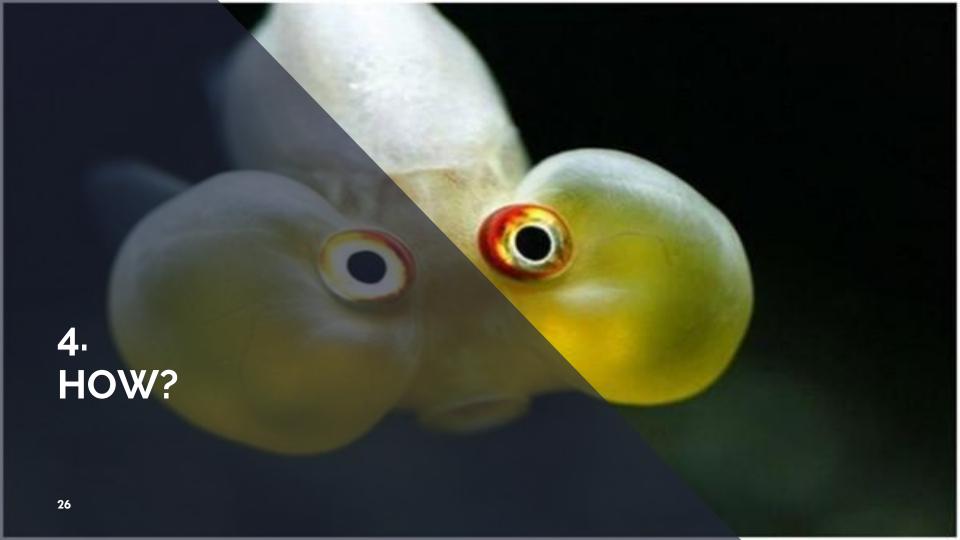
Immature project

Change in Technical direction

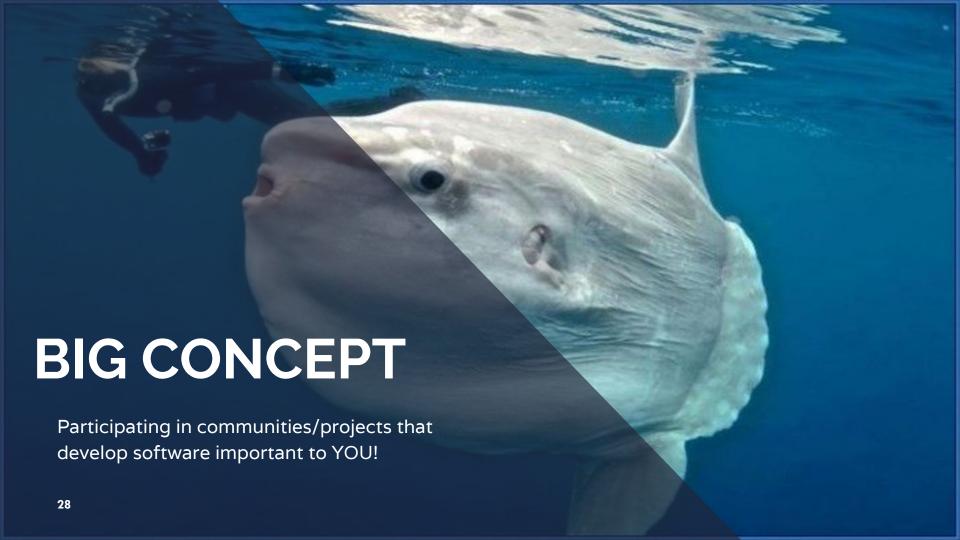
Abandoned Project

Lack of Security team or mindset

Unknown contents









Commercial OSS Support - Free software for a Fee

Your mileage may vary, but in general, what you should expect -

Trusted/reproducible builds

Regression/security testing

Contracts to support you

License indemnification

A Product Security Team





OUR PROCESS IS EASY



