## SAILING THE SEAS OF OPEN SOURCE A CONVERSATION ABOUT AVOIDING DRAGONS (& DUNGEONS) AND SAILING OVER THE EDGE OF THE FLAT EARTH

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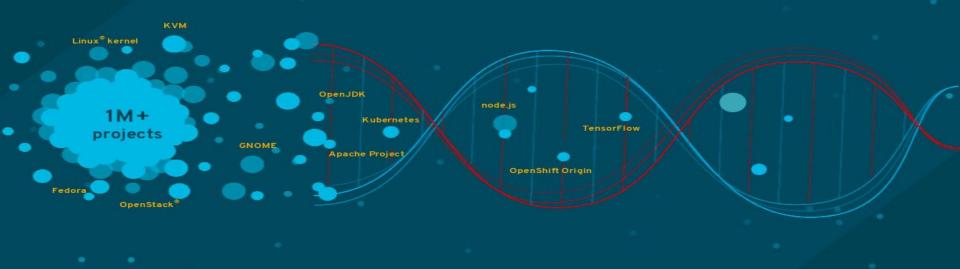
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- THE SOURCE CODE IS PUBLICLY AVAILABLE FOR REVIEW
- YOU ARE (NORMALLY) ABLE TO EDIT/AUGMENT THE CODE

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## **Uses Gentoo Linux**

On a 128 core craymachine with a 24 node ZFS cluster for storage.



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## NICE PEOPLE THAT WORK IN OPEN SOURCE

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#### Individuals

OSS is driven by the innovation and creativity of little people with BIG ideas



#### **Small Communities**

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Oftentimes these individuals will find each other and collaborate on these ideas

#### **Commercial Vendors**

OSS always is free and available to use, but some end-users want a higher level of support; There are many vendors that provide commercial support (with documentation, support, training, ...and package updates)

#### Large Communities Certain ideas have so much interest that a formal group sometimes develop, with

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These groups all have different goals and different ways to communicate. They are all unified by a passion for Open source ideals!

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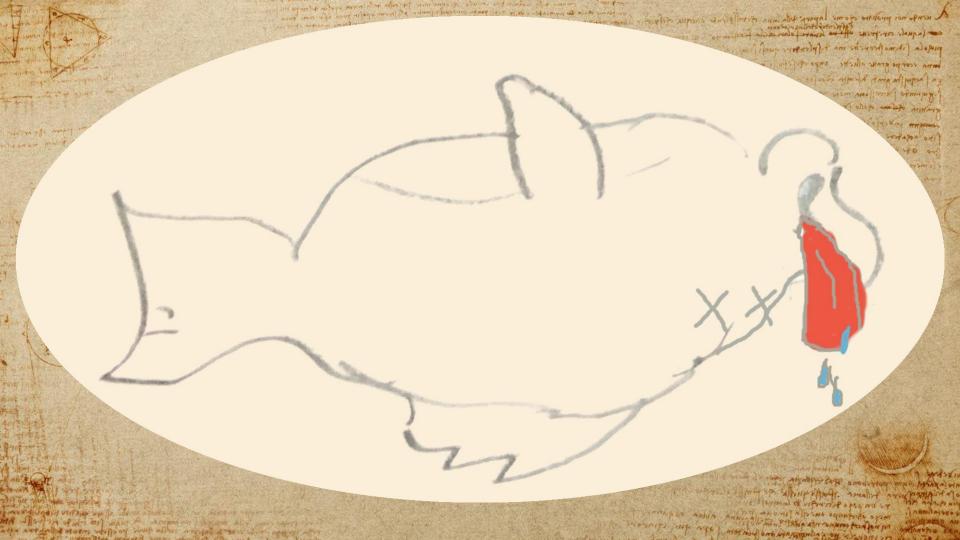
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THERE ARE SEVERAL LARGER PROJECTS (KERNEL, APACHE FOUNDATION, OPENSSL) THAT ARE MORE MATURE AND STRUCTURED

WHEN USING OPEN SOURCE PACKAGES YOU NEED TO DECIDE HOW YOU WANT SUPPORT: FREE (AKA "DR. GOOGLE"), FEE (COMMERCIAL), OR COMMUNITY (BUILD YOUR REPUTATION)



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#### SEVERAL IMPORTANT CONCEPTS

#### Distribution

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This (typically) refers to someone offering a "boxed" Linux flavour. It is generally (but not always) is based off of a commercial or very large community-curated set of packages

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This is the source of some software package or collection of packages. E.g.- kernel.org is a group of developers (headed up my Linus) that maintains the Linux kernel. It is not directly affiliated with any commercial entity (although "corporate" engineers do contribute

#### Downstream

This is the consumer of some upstream<sup>\*\*</sup> • package/project. If you embed the Tomcat webserver in your products, you're considered "downstream". This is rarely a formal arrangement

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#### Rebasing When the whole upstream package is used and delivered via some downstream offering

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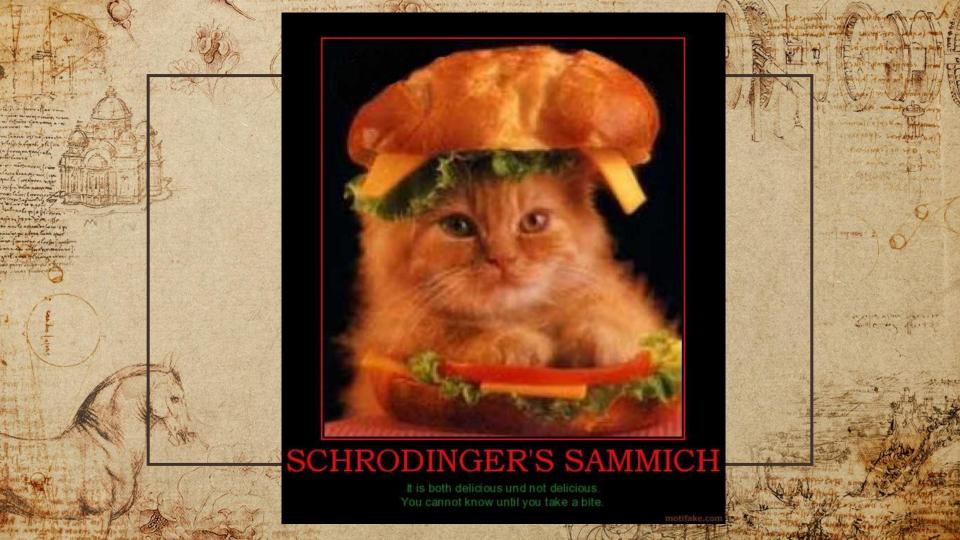
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CONTRIBUTE TO PROJECTS YOU CARE ABOUT (OR GET SUPPORT FROM NICE PEOPLE THAT DO SUCH THINGS) • "CONTRIBUTING" CAN MEAN MANY THINGS -ADDING PATCHES TO MAKE THE PROJECT BETTER, PEER CODE REVIEWS, COMPUTE/STORAGE RESOURCES, TRAINING/GUIDANCE, AND SO MANY OTHER WAYS...... (SO MANY)

#### SO HOW DO I FIND THESE OPEN SOURCE PEOPLE?

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**STEP 2: THEY'D HAVE TOLD** YOU BY NOW

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Github Mailing Lists....so many mailing lists (so many) Forums/Communities **Project Pages** The Linux Foundation or other groups Conferences Most likely, get up and walk around your office...odds are SOMEONE at your company codes in their spare time ....CRob likes hugs too

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**ABOUT THE RANSOMWARE** 

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#### **THANKS!**

Any questions? You can find me at @RedHatCRob @RedHatSecurity & CRob at Red Hat dot Com apprecisione April confingen report of michay ware a little and the thirty should area in