

#### Pandora's Treasure Chest

A story of how openness changed the world

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#### Organizations Use Open Source to...

Build internal applications 77% 69% Create customer applications 69% Power our infrastructure Develop open source software 28% Embed in hardware products 16%

#### BLACKDUCK | CSRI

🕑 #OSS360

#### .... meanwhile, back in the 80s



Information is power ...



# an increasing reliance on software ...



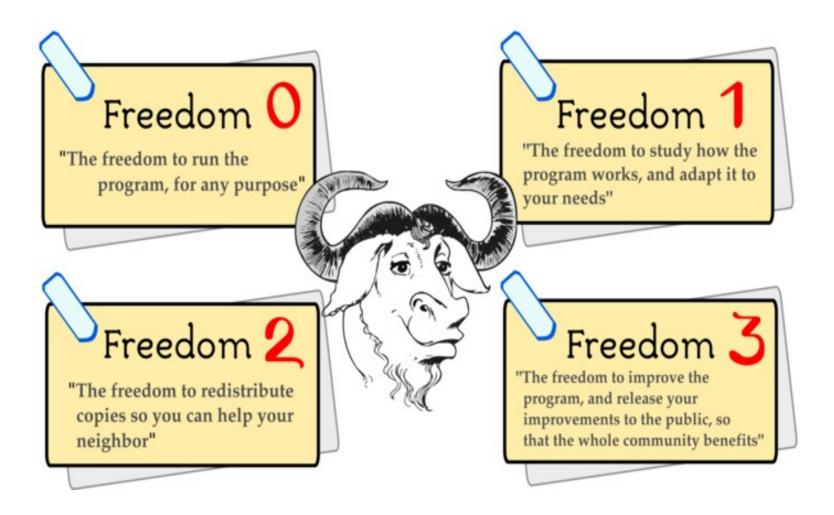
### built with a model based on lock in $\rightarrow$





# Software and Freedom?

### A plan hatched by radicals



## Championed by pragmatists



#### Access to service: Katrina



### Interoperability: WebKit saves the web



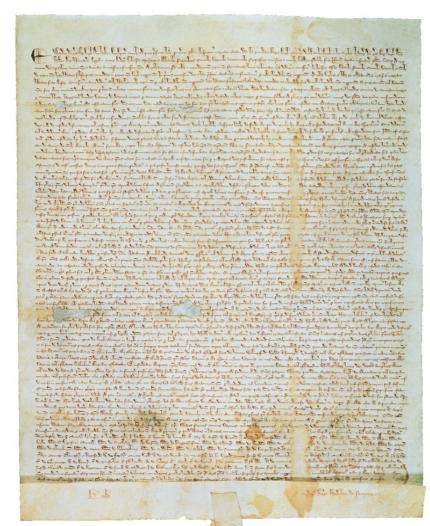
## Permissionless: Minority language groups



## Innovation: IoT, Linux and open hardware



#### Historical transparency: data formats



# lt can also go wrong ...



### Fewer failure modes than expected

- Roadmaps and clear direction is common
- Resistant to dictatorship
- Long-term integrity of projects maintained
- Survives the demise of original hosts

Victorious Cycles

- Invest once, gain more from success than failure
- Success invites further engagement
- When others invest, chance of success increases
- New possibilities from a larger ecosystem
- That invites additional rounds of investment from existing participants ...

## Enabling Participation



# Enabling Participation

- Discovery
- Reproducibility
- Ease of improvement
- Means to share improvements
- Governance
- Defining and documenting open tasks

#### Thank you!

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