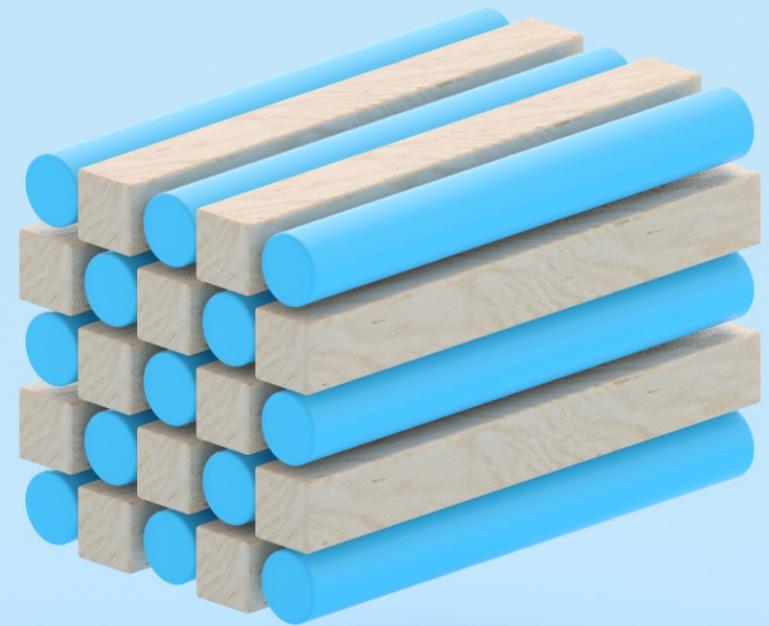


# Open Source in the Age of Cloud and Microservices

A Journey of 30+ Years

Michael Meskes  
Senior Director Cloud Products  
2023-04-20



# Michael Meskes

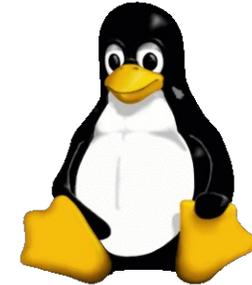
## Actively Working on Open Source



**1993**  
**Free Software**



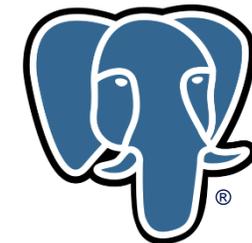
**1994**  
**Linux**



**1995**  
**Debian GNU/Linux**



**1998**  
**PostgreSQL®**

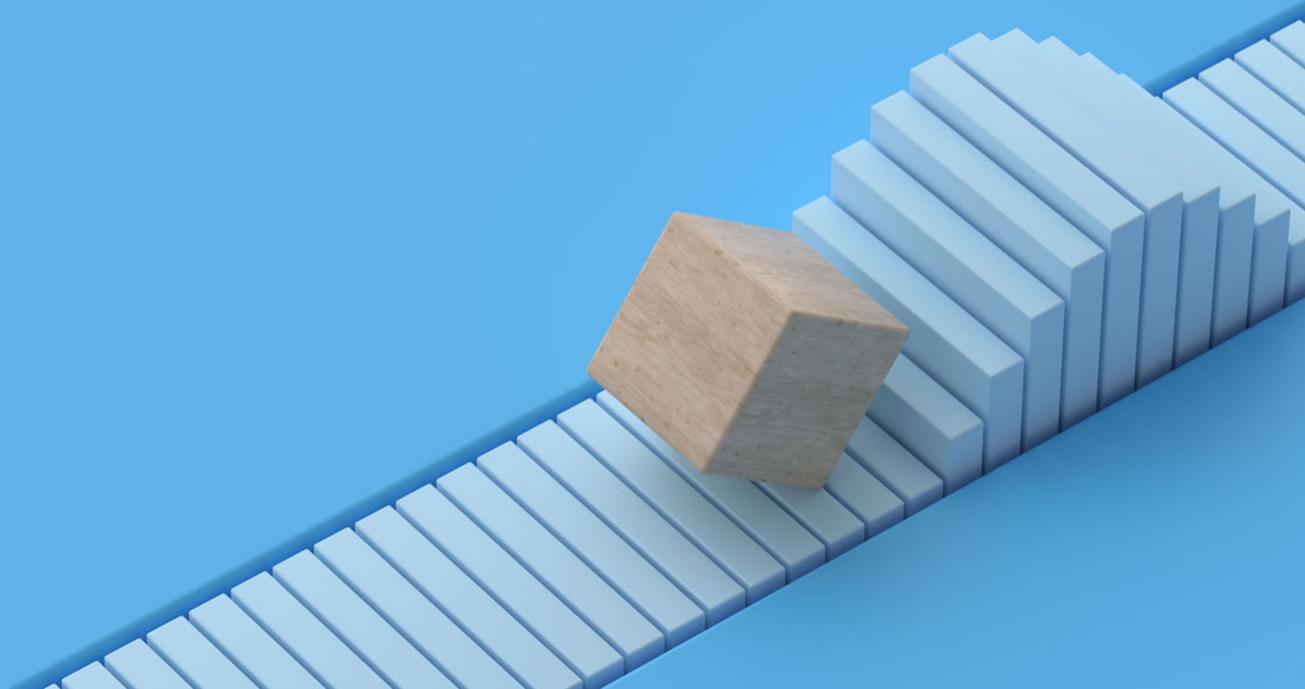


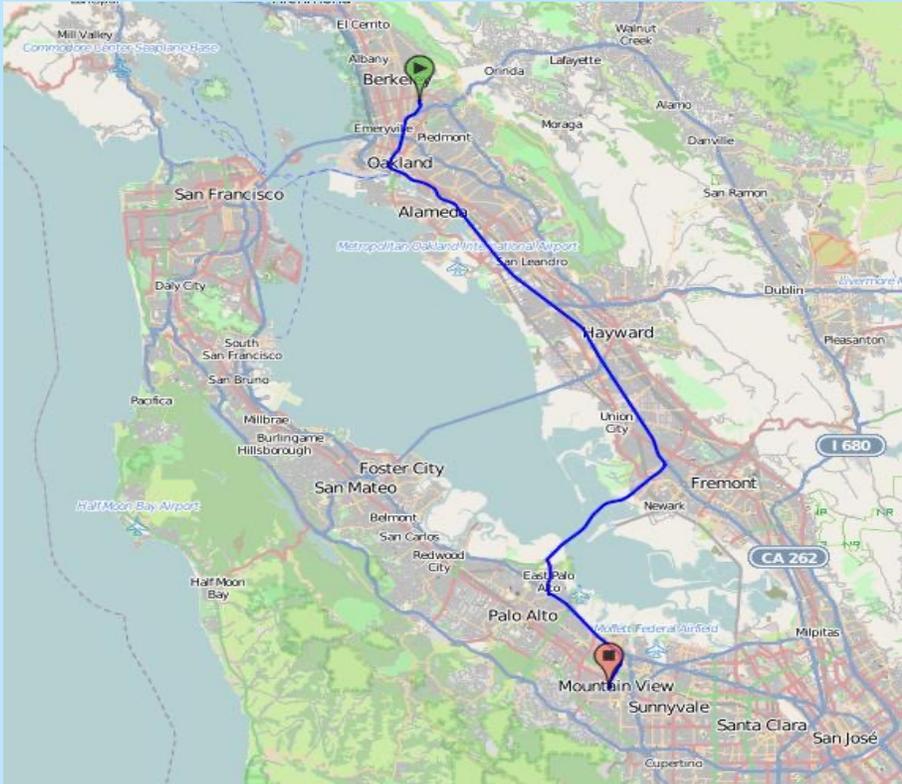
# Michael Meskes

**Actively  
Working on  
Open Source**



# Early Years





Free software

Mostly coming out of academia

Loose communities

Pre-WWW through email and usenet

Coders were volunteers/hobbyists



(c) Bluehaidar at wikimedia

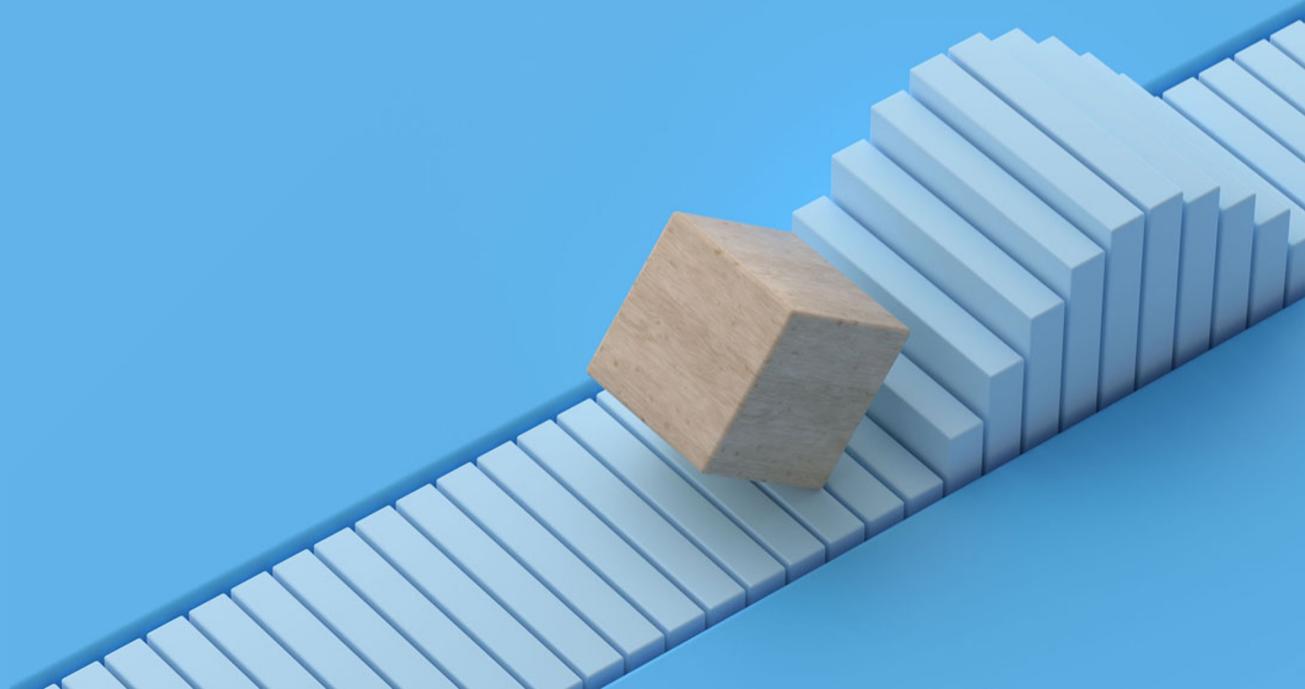
Not much focus on licenses

Not many companies involved

Starting with linux distros

Functionality to access and build the internet

# The Dot Com Years





© Infrogmation of New Orleans

Open source software

Real alternative

Paid development on some projects

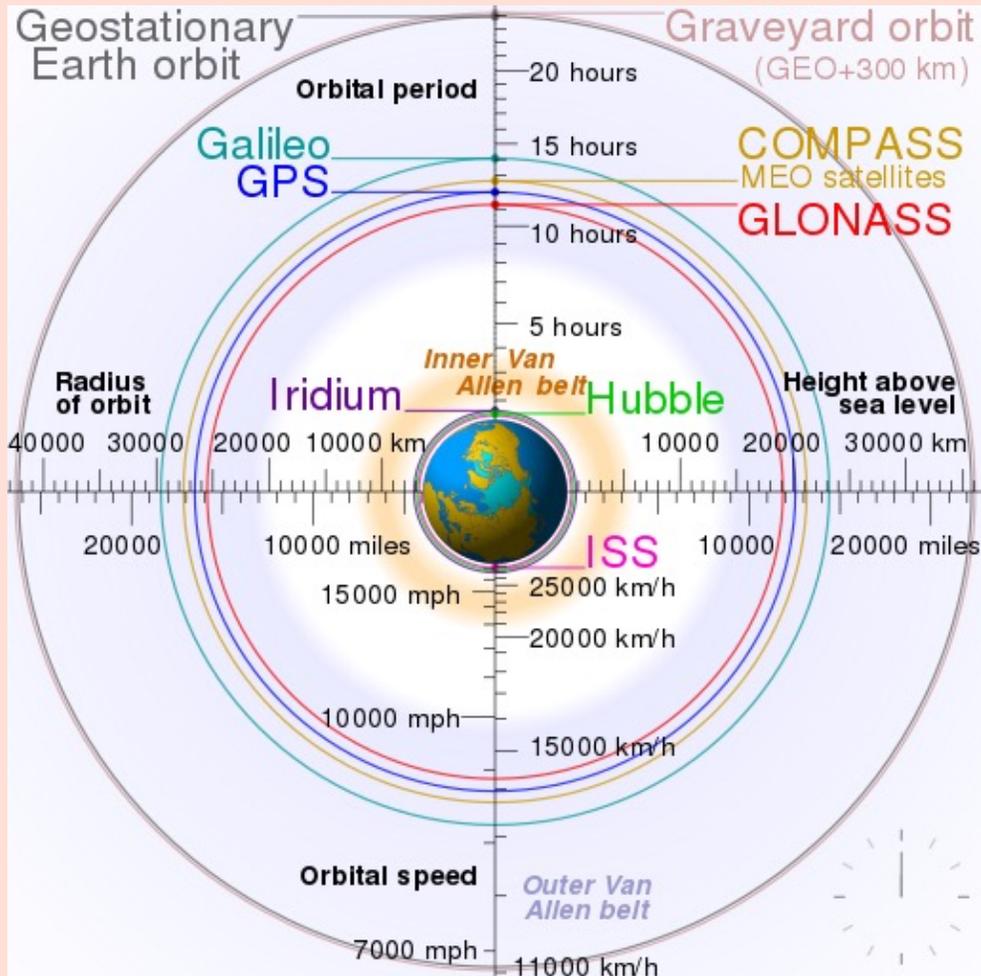
Evolving community processes

Open sourcing of proprietary software:

Netscape Navigator

StarOffice

...



(c) Cmglee at wikimedia

Open sourcing of proprietary software:  
 Netscape Navigator  
 StarOffice

...

Starting with less important systems

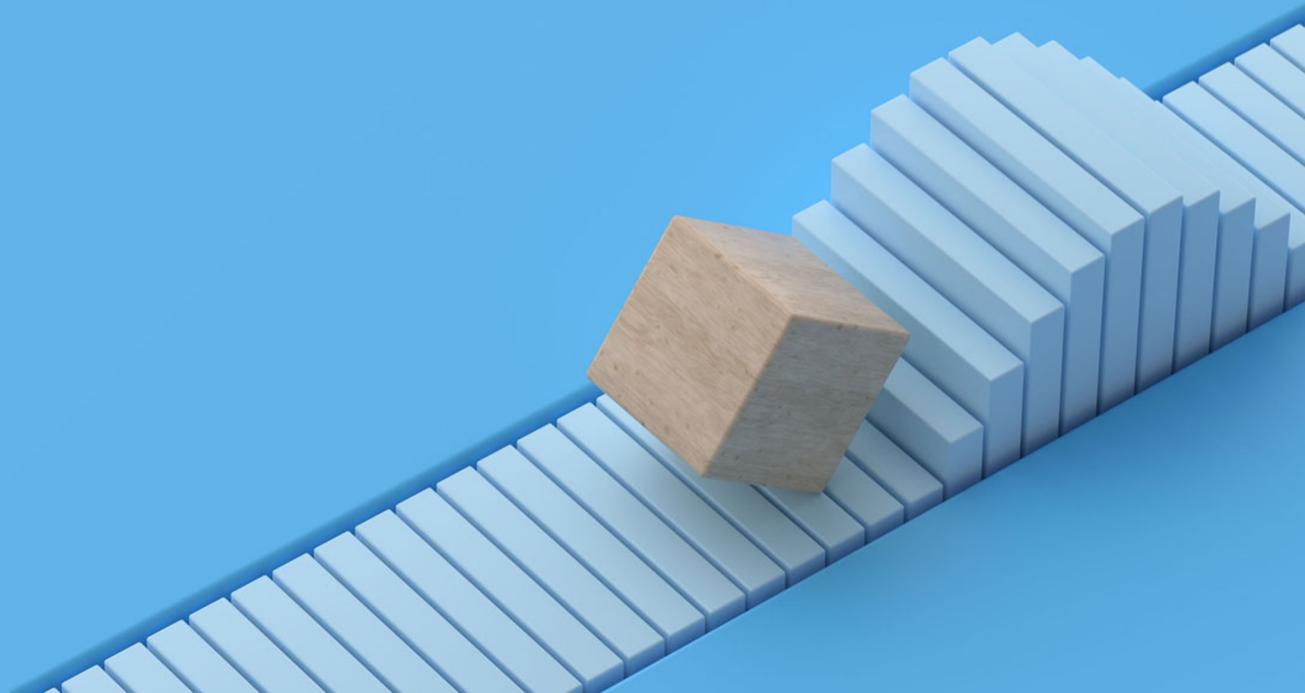
Businesses relying on open source

Business models using open source

Start-Ups build with and around open source

Some ahead of their times though

# The FUD Years



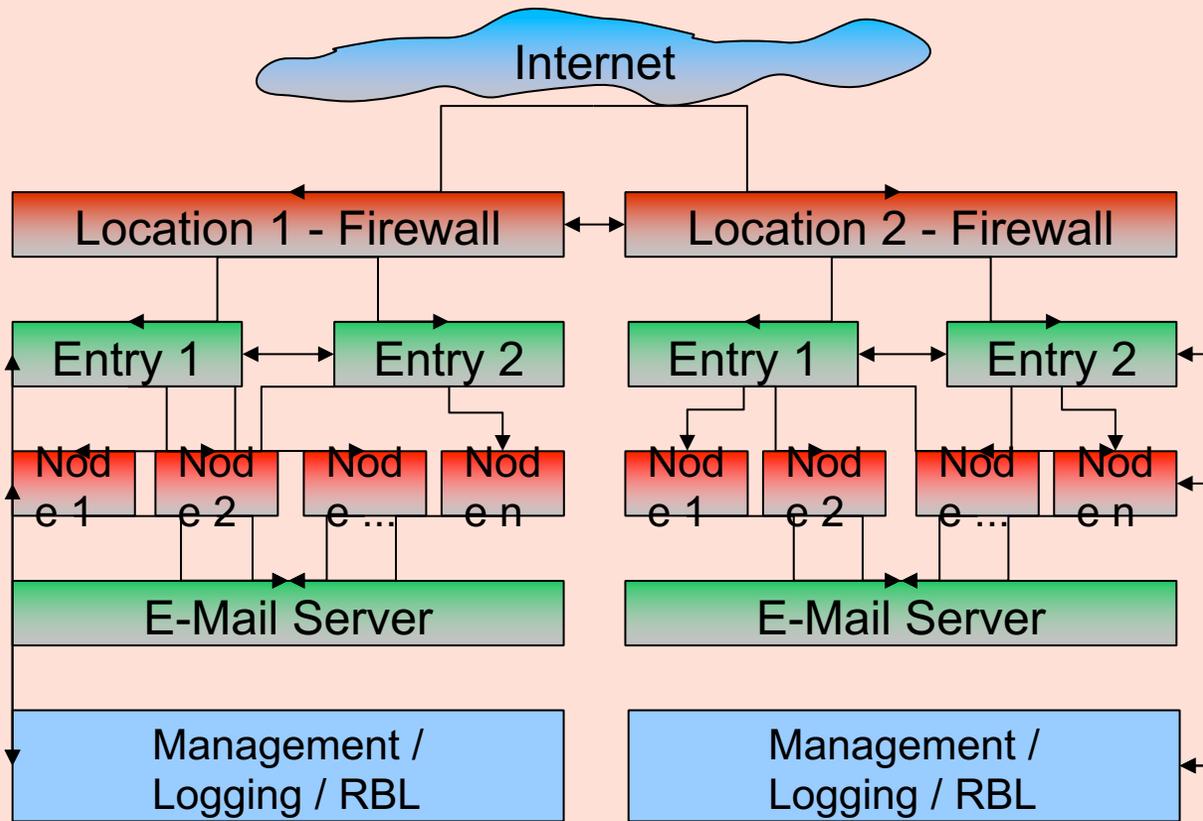


Contributions by companies

Competition between open source and traditional software world

Building awareness

Complex systems



More and more business usage

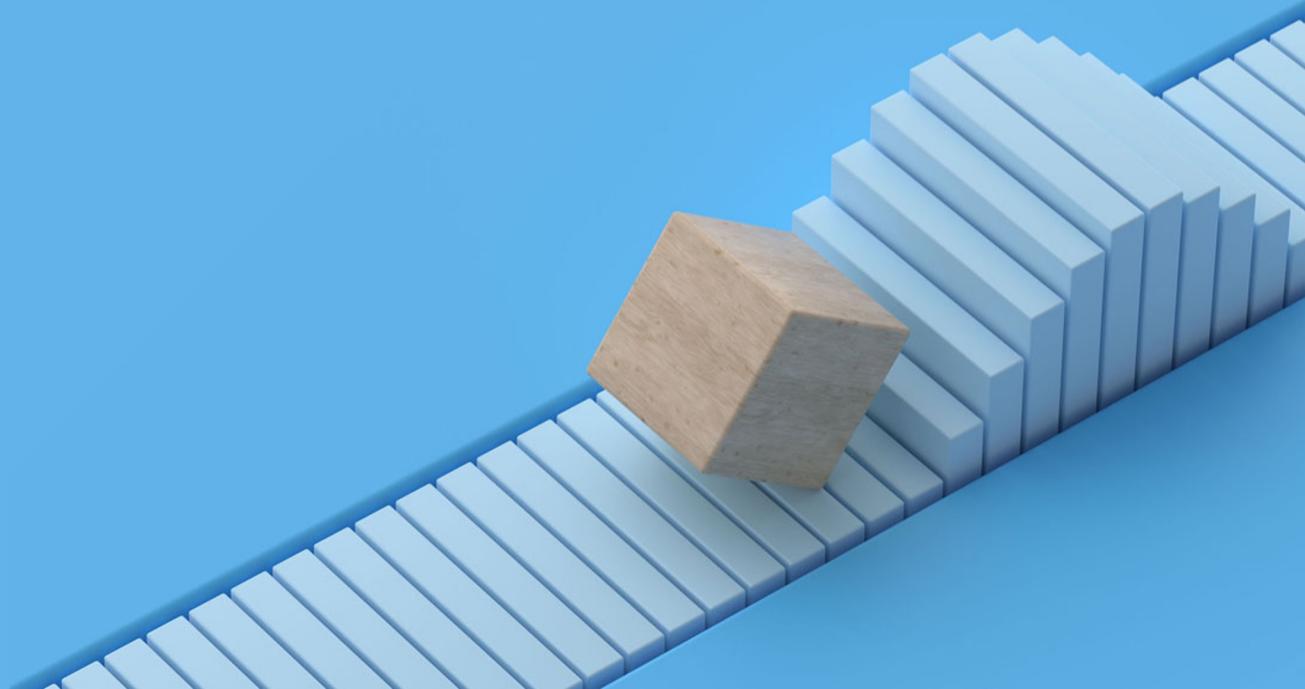
Like a grassroots movement

Open source seen as a threat

Discrediting tactics

Advantages in TCO

# Commodity





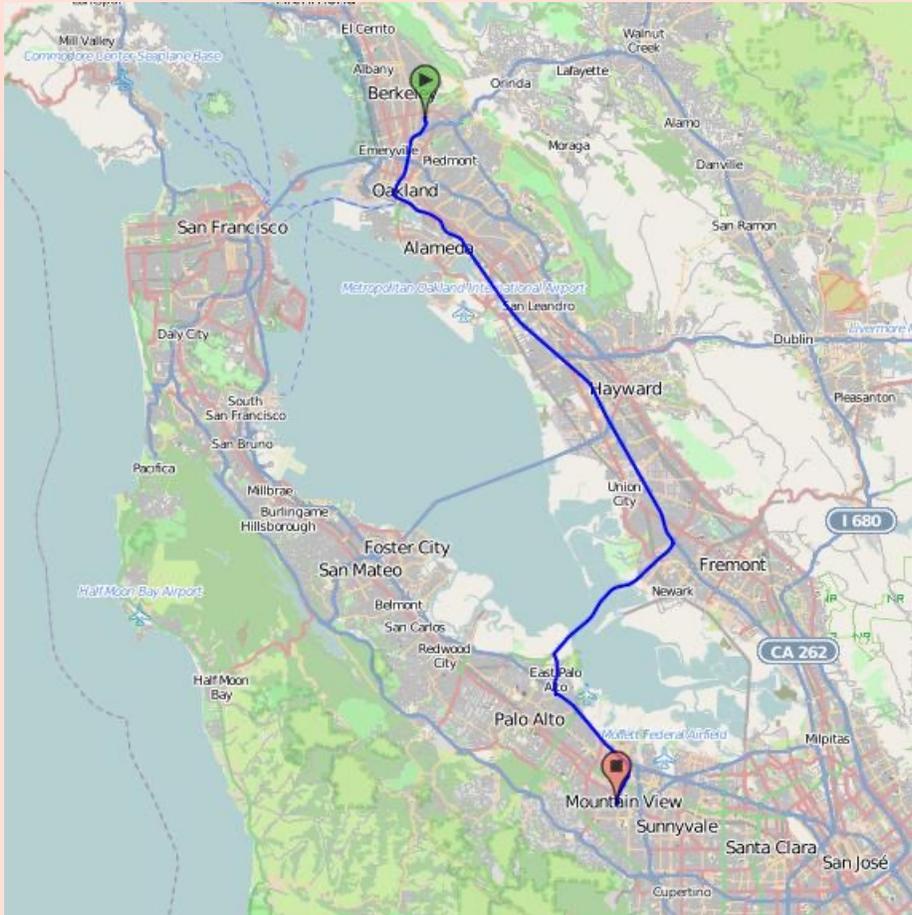
By Óðinn - Own work, CC BY-SA 2.5 c ca,

Traditional and monolithic systems

Different approaches to community building

Foundations

Functionality mirrors proprietary software



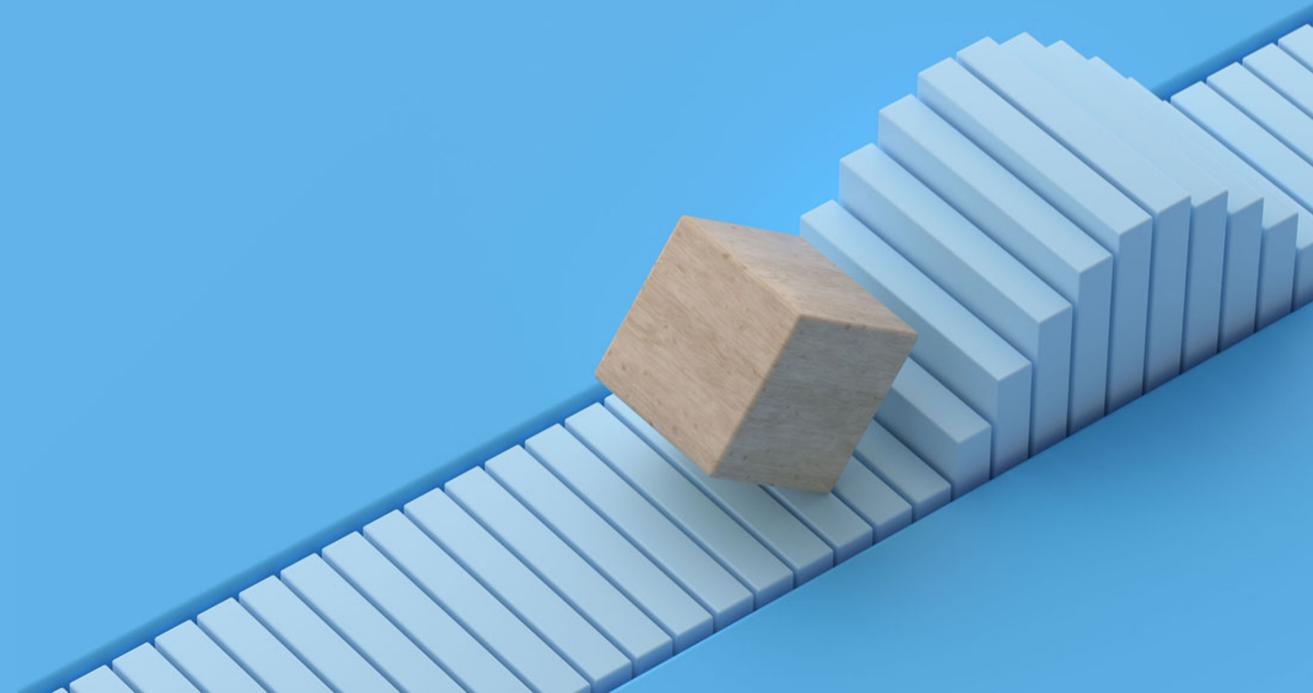
# Open source is in every datacenter

Start-Ups have become enterprises

Traditional enterprises are using and offering open source

Inroads into regulated industries

# Cloud and Microservices





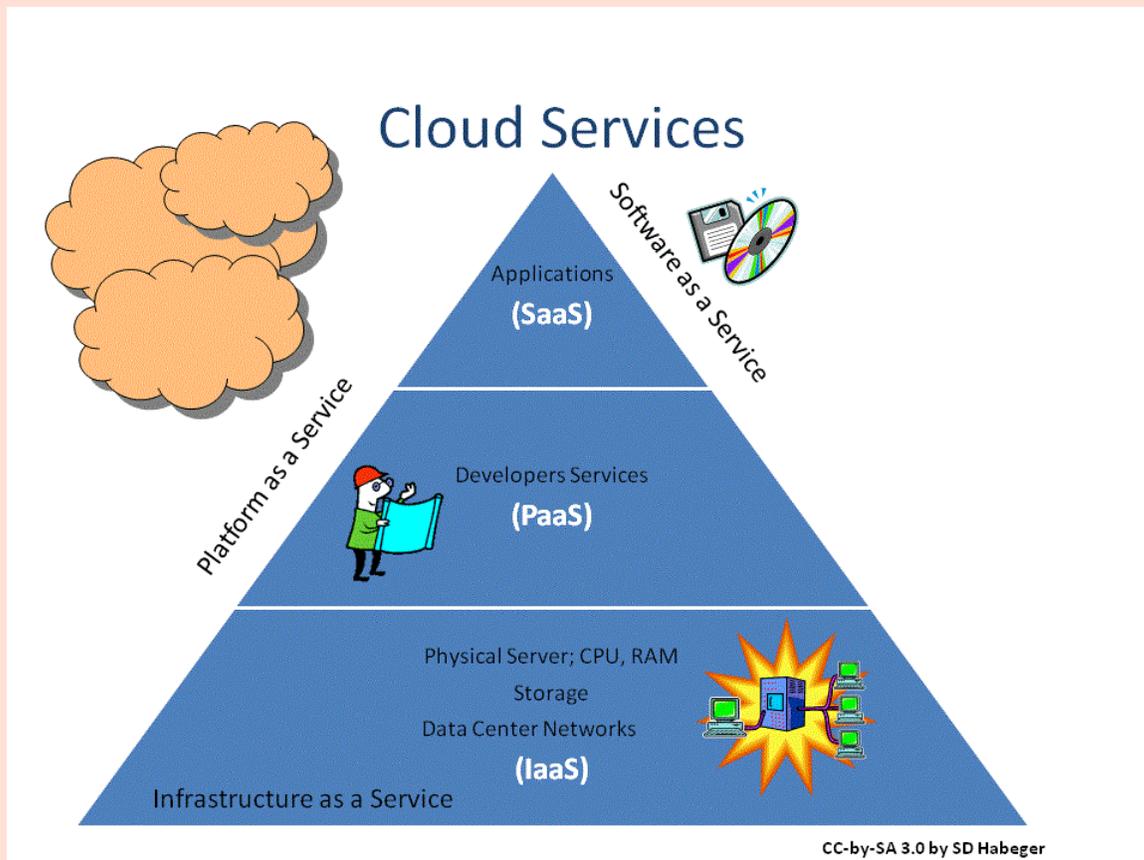
Move to microservices

IOT

Open source is everywhere

Large parts of this world run on open source

Most users do not even know



By Sdhabeger - Own work using Microsoft Office

Different business models:

- Professional Services Vendors
- Open Source Vendors
- Open Core Vendors
- Managed Service Vendors
- Proprietary Vendors
- Mixed Business Model Vendors



© Tomomarusan

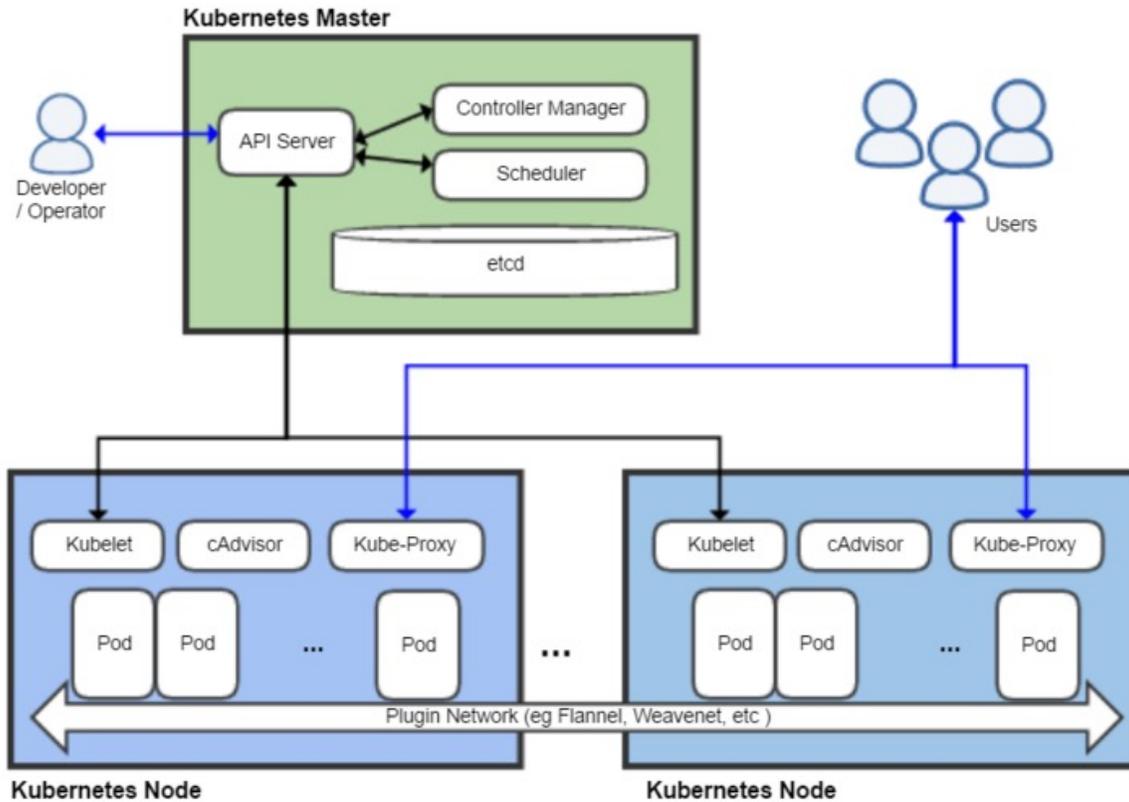
Container based setups

Different development model

Vendoring

Projects need to adopt too

New functionalities



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Exclusively open source

Expert-level support and consulting services

Reliable, secure, and performant operations at scale

Available in the cloud or on-prem

Influential community engagement

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