



Is OpenStack dead?



#### 40+ million CPU cores

RETAIL/E-COMMERCE











FICO Santander BBVA

江苏省农村信用社联合社

FINANCIAL SERVICES















TELECOM





**Snapdeal** 





























Overstock.









WEB & ENTERTAINMENT

HARVARD











#### ENERGY/TRANSPORTATION/GOVERNMENT



CATHAY PACIFIC











#### MANUFACTURING































COMCAST \*betfair















#### ACADEMIC/RESEARCH





























#### PUBLIC CLOUD





#### Deployments > 1 M cores





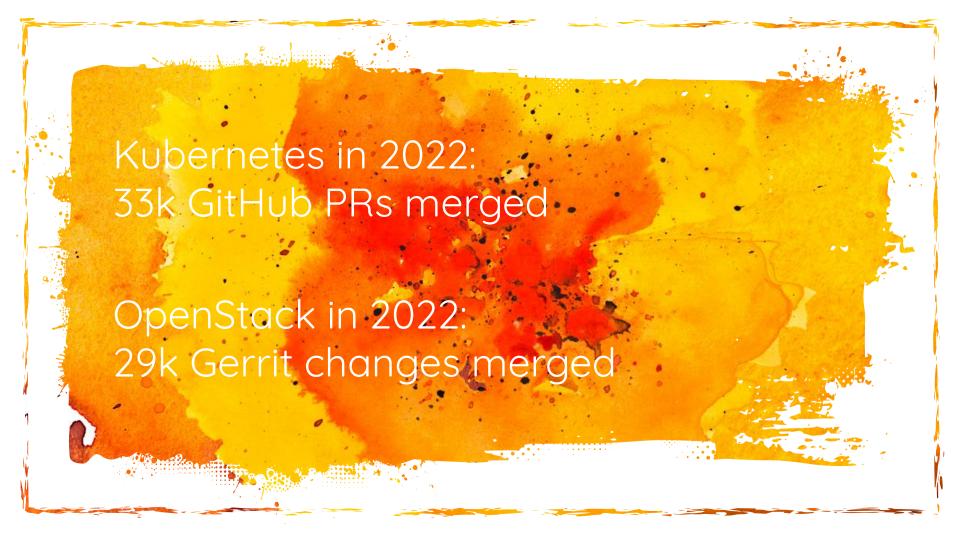










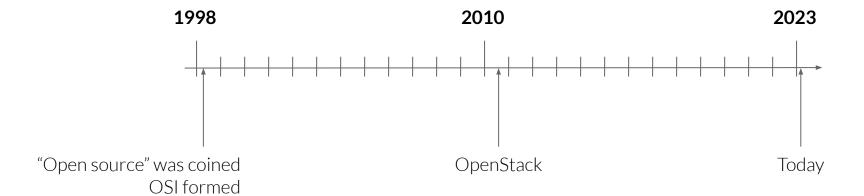


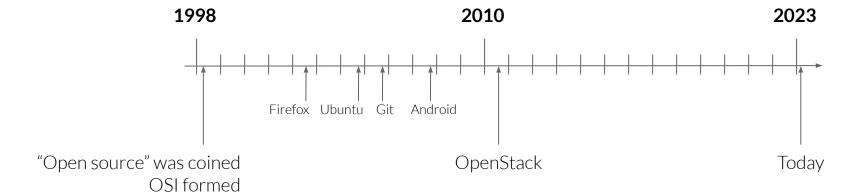
An OpenStack history



Back in 2010...







× Nova + Swift



- × Nova + Swift
- × The Linux of the datacenter



- × Nova + Swift
- × The Linux of the datacenter
- × Startups everywhere!



- × Nova + Swift
- × The Linux of the datacenter
- × Startups everywhere!
- × More than 100k changes per year

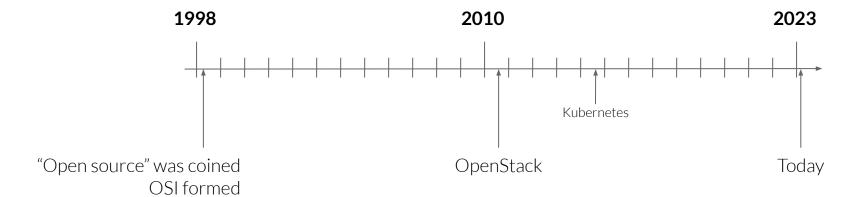


- × Nova + Swift
- × The Linux of the datacenter
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- × More than 100k changes per year
- × Scope creep



- × Nova + Swift
- × The Linux of the datacenter
- × Startups everywhere!
- × More than 100k changes per year
- × Scope creep
- × Who is the user?





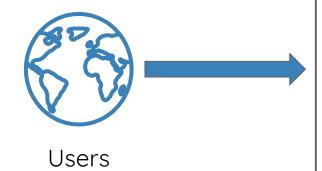
× The advent of Kubernetes

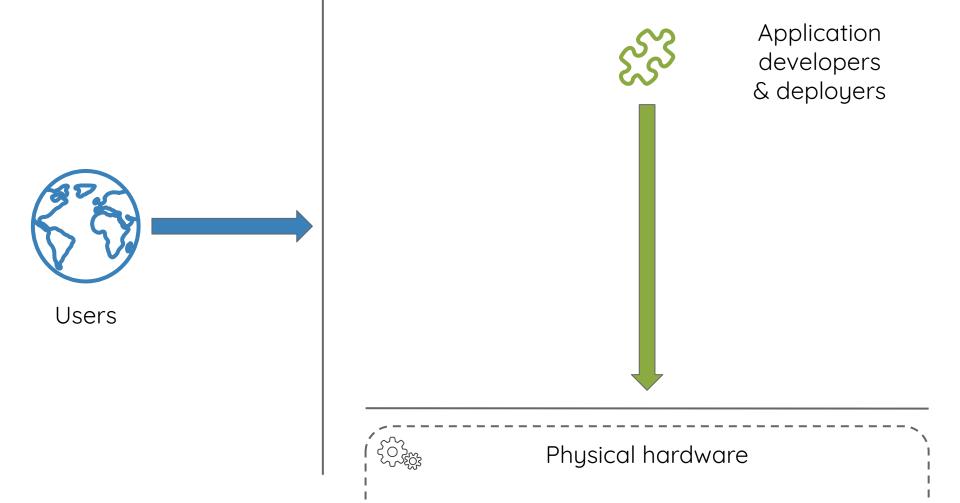


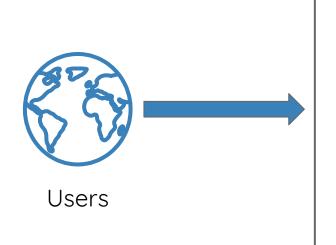


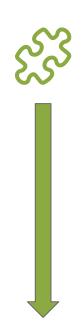


Applications



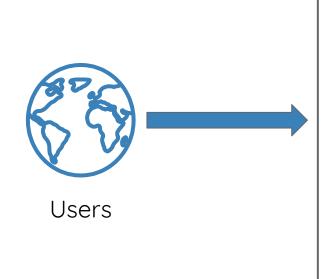


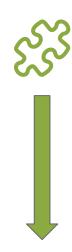




Hardware virtualization

Physical hardware

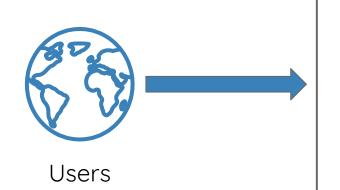




\( \) laaS APIs

Hardware virtualization

Physical hardware



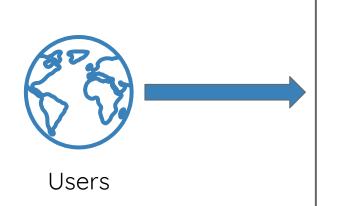


Application deployment APIs

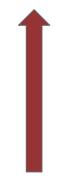
) laaS APIs

Hardware virtualization

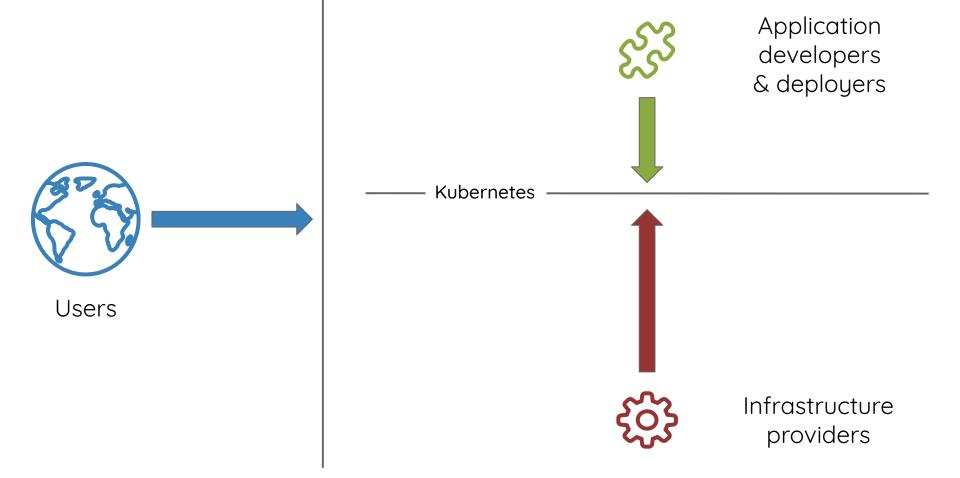
异 Physical hardware







Infrastructure providers



× The advent of Kubernetes



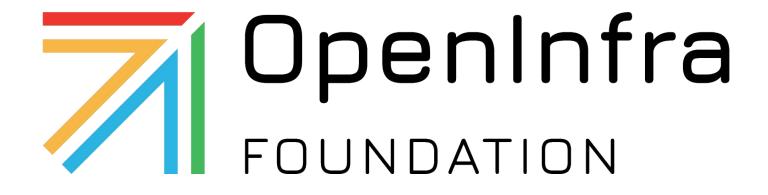
- × The advent of Kubernetes
- × Infrastructure is a given



- × The advent of Kubernetes
- × Infrastructure is a given
- × OpenStack is dead... to me







# OpenInfra FOUNDATION



Programmable infrastructure for VMs, containers and bare metal.



Secure, lightweight CRI compatible virtualized containers.



Connecting open source projects to production



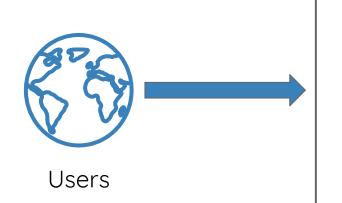
Edge cloud computing infrastructure for high performance, ultra-low latency applications.



CI/CD platform for gating changes across multiple systems/repos.

OpenStack relevance in the next decade











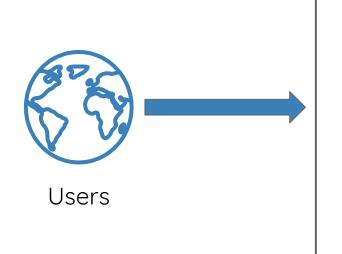
IaaS APIs



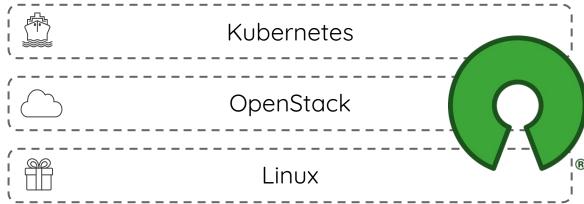
Hardware virtualization



Physical hardware







Physical hardware

# LINUX

Open source operating system standard

# **OPENSTACK**

Open source **cloud** standard

# KUBERNETES

Open source container orchestration standard

# INFRASTRUCTURE

# Value proposition

- × Cost
- × Compliance
- × Capabilities





Portfolio

Team

Focus Areas V

Content V

About

Jobs

Q

## The Cost of Cloud, a Trillion Dollar Paradox

### by Sarah Wang and Martin Casado

cloud computing • enterprise & Saas networking • growth (late stage venture) • metrics cloud infrastructure • trends 2021







There is no doubt that the cloud is one of the most significant platform shifts in the history of computing. Not only has cloud already impacted hundreds of billions of dollars of IT spend, it's still in early innings and growing rapidly on a base of over \$100B of annual public cloud spend. This shift is driven by an incredibly powerful value proposition — infrastructure available immediately, at exactly the scale needed by the business — driving efficiencies both in operations and economics. The cloud also helps cultivate innovation as company resources are freed up to focus on new products and growth.

"Repatriation results in one-half to one-third the cost of running equivalent workloads in the cloud"

# Number of cores Public infrastructure makes more sense Private infrastructure makes more sense



Innovation



### Russia

### South Korea

40 milliseconds

Japan 27 milliseconds

### China

## Hong Kong 36 milliseconds

## Singapore 61 milliseconds

## Philippines 40 milliseconds

USA

109 milliseconds

Australia

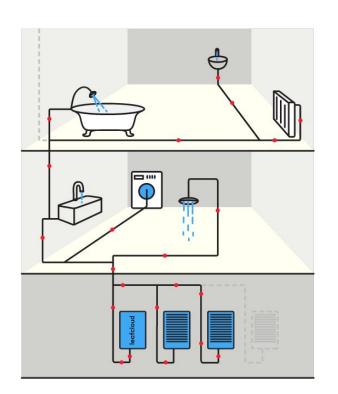
63 milliseconds

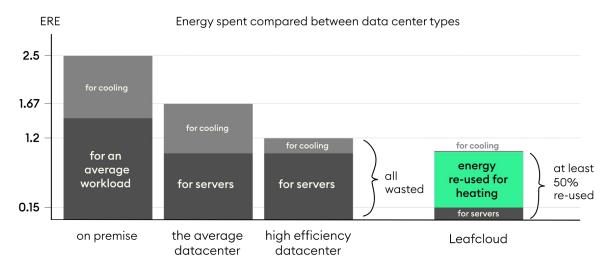












× OpenStack is not dead



- × OpenStack is not dead
- × It might be irrelevant to you, though



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- × It might be irrelevant to you, though
- × It will not replace hyperscalers



- OpenStack is not dead
- × It might be irrelevant to you, though
- × It will not replace hyperscalers
- × It is a necessary complement, though





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## Credits

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