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Collaboration
Without
Boundaries

Technology is a powerful
force for changing our lives

Collaboration among
individuals is a powerful
force for changing our lives

Open collaboration around
technology is a powerful force to
understand and change our lives
and our world






SOCAR
1548
1238

SOCAR
VELVET98
CHANGE

mai 2019 - 10h-17h
**CAVES
OUVERTES
GENÈVE**



...to the
OPENSTACK SUMMIT BERLIN
OPEN INFRASTRUCTURE

CI/CD | CONTAINERS | EDGE | HPC | NFV | PUBLIC & PRIVATE CLOUD



105,000 people

187 countries

//////////////////// 19 ON TIME RELEASES //////////////////////



2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Top 3

Most active open source project

Innovation built with the 4 Opens

- Open Design
- Open Development
- Open Community
- Open Source

First generation of cloud

- Developed along two separate tracks
 - Hyperscale proprietary cloud providers
 - Open source Infrastructure as a Service software
- Focused on dynamic provisioning of basic virtual machines
- Required significant technical resources and investment to adopt

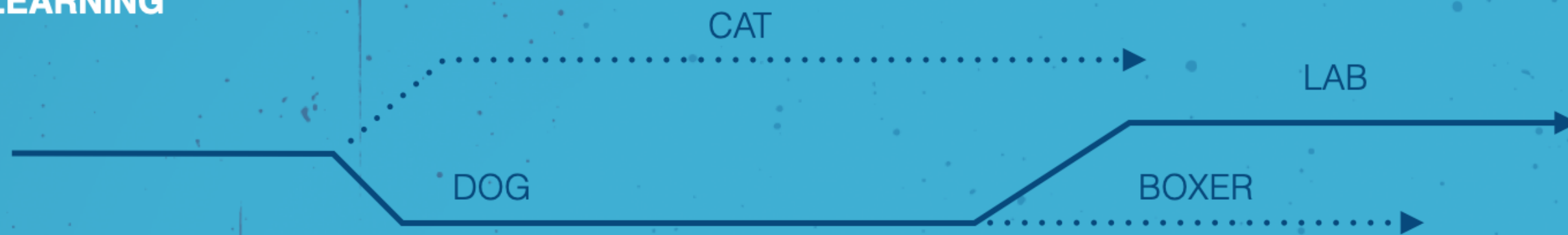
It did not solve all the problems

- Data locality
- IPv6
- Bare metal management and automation
- NFV
- Edge computing
- AI/Machine Learning
- Sophisticated container orchestration

Open Source Communities Delivered

- OpenStack
- Kubernetes
- Ceph
- TensorFlow

03 | MACHINE LEARNING



02 | APPLICATION MANAGEMENT PLATFORM



01 | PROGRAMMABLE INFRASTRUCTURE



TENSORFLOW



KUBERNETES



OPENSTACK



IRONIC



NEUTRON



SWIFT



CINDER

Next generation of cloud

- Composable and cloud native
- Deployed across multiple cloud environments
- Virtualized compute, storage, networking, incorporation bare metal and containers
- Better technology makes adoption possible for more organizations and smaller teams
- Open Infrastructure – choice, integration and innovation ahead of the hyperscale market

Thank you, CERN

- The Original Superuser
- OSF Board of Directors
- OSF User Committee
- Technical leadership in projects
- Leadership in education and community
- Cross-community integration and leadership



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Thank You

For The Love of Open