



OPEN SOURCE
LEADERSHIP SUMMIT

Foundation-based vs. Company-led Open Source projects

Stefano Maffulli (Scality) & Ray Paik (GitLab)

Agenda

- Foundation-based vs. Company-led projects
- Cultural differences
- Community metrics
- Key takeaways

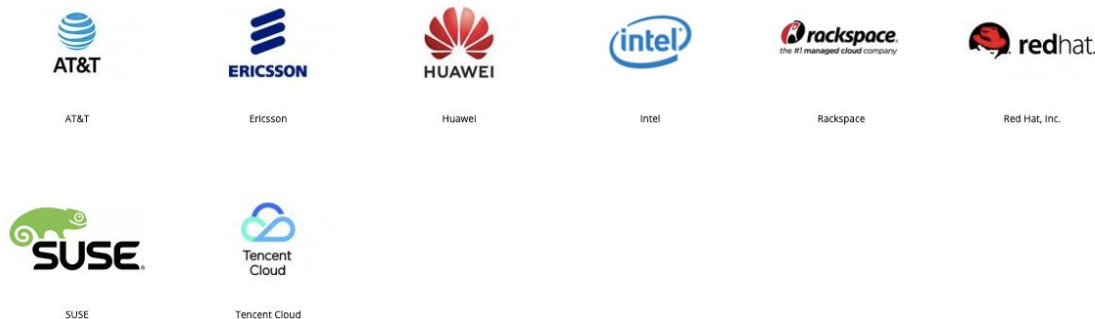


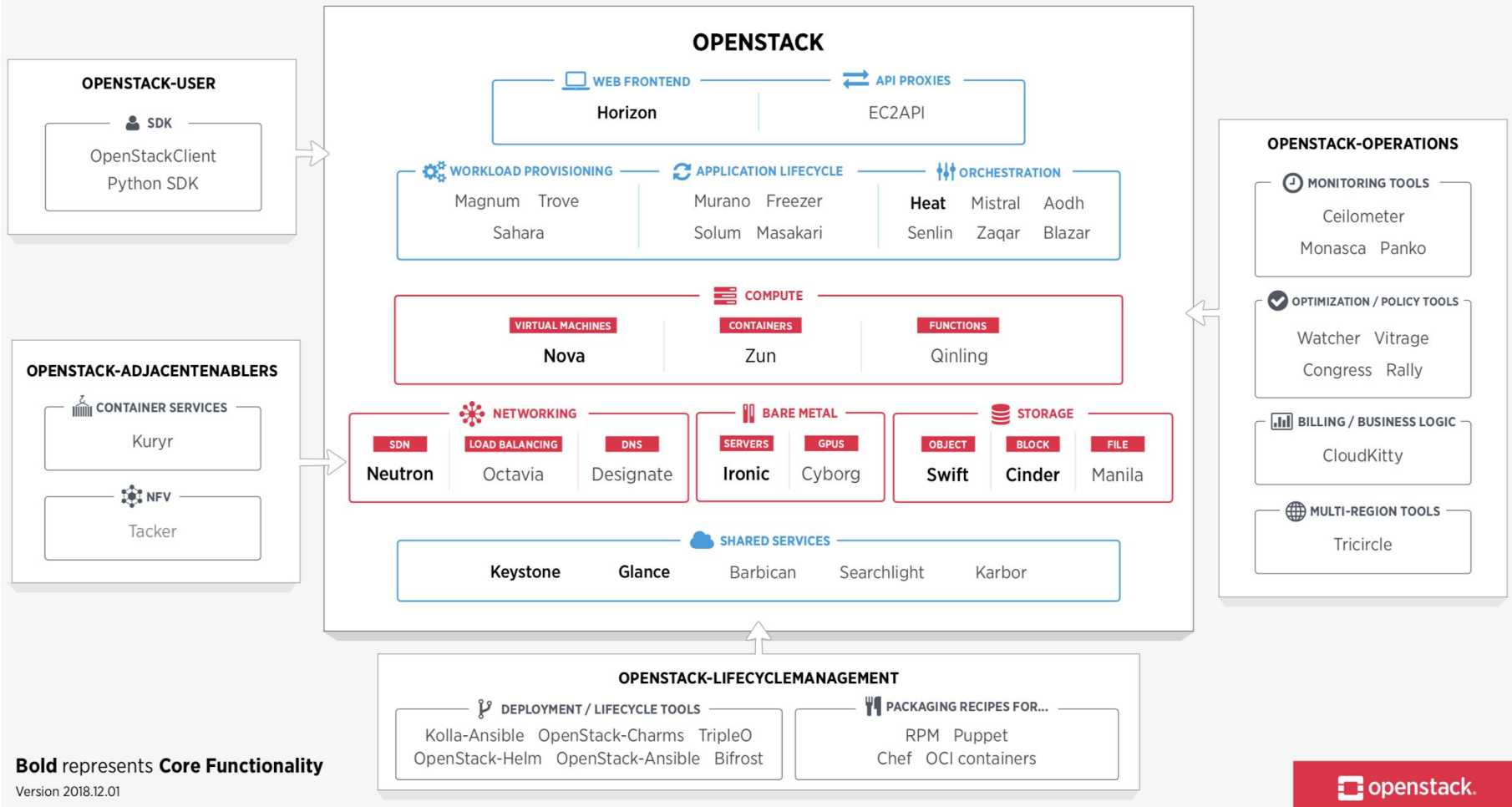
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OpenStack Foundation Platinum Members provide a significant portion of the funding to achieve the Foundation's mission of protecting, empowering and promoting the OpenStack community and software. Each Platinum Member's company strategy aligns with the OpenStack mission and is responsible for committing full-time resources toward the project. There are eight Platinum Members at any given time, each of which holds a seat on the Board of Directors. Thank you to the following Platinum Members who are committed to OpenStack's success.







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Manage



Plan



Create



Verify



Package



Release



Configure



Monitor



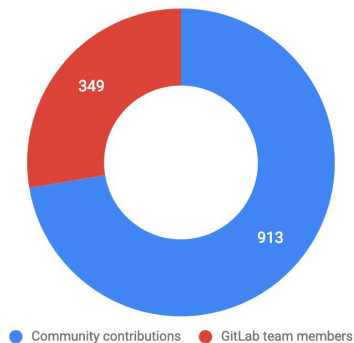
Secure

Who is GitLab?

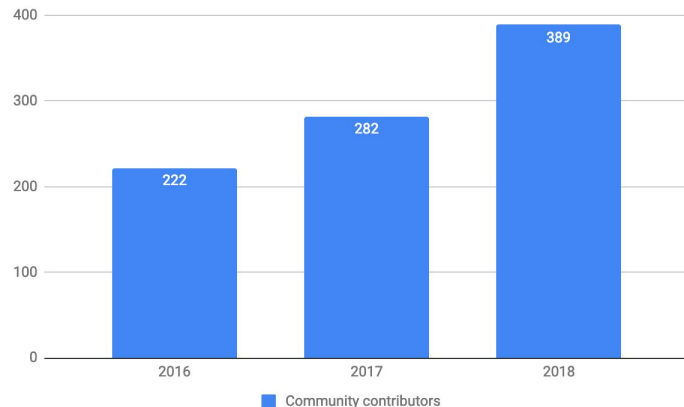
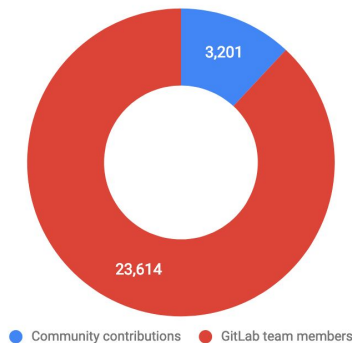


- [We have an Open Core business model](#) and “Everyone can contribute”
- GitLab Community Edition (CE) is open source and GitLab Enterprise Edition (EE) is source-available
- [First commit](#) on October 8, 2011
- Some CE + EE numbers since January’2016...

Contributors



MRs





telco, mobile
operator &
cable operator

SaaS & other
cloud services

financial
services

media &
entertainment

police &
intelligence
agencies

hospitals and
medical
imaging
vendors

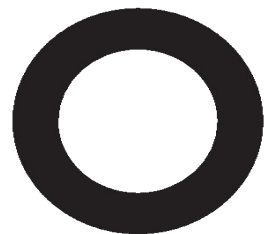
transportation

other global
2000



100% SOFTWARE SOLUTION

FOR ANY STANDARD x86 SERVER PLATFORM



RING

PRIVATE CLOUD

object & file storage in a single system · peer to peer architecture · unlimited scalability · unbounded scale-out performance · most adaptive set of robust data protection mechanisms · autonomous self-healing · designed in close collaboration with the biggest (cloud-scale) service providers in the world



MULTI-CLOUD DATA CONTROLLER

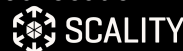
TO ACCESS AND MANAGE DATA ACROSS CLOUDS



ZENKO

PUBLIC CLOUDS


a single, unified API across all clouds to simplify application development · the only multi-cloud data management solution independent of the storage system · stores data in standard cloud format to make the data consumable directly by native cloud apps and services · true multi-cloud IT · global search across all managed data independent of cloud location



SCALITY

Scality open source projects

- Zenko
- CloudServer
- Backbeat
- Arsenal
- MetalK8s
- QuadIron



Scality

Scality - Software Defined Storage at Petabyte Scale

San Francisco, CA <http://www.scality.com> gr@scality.com

[Repositories 135](#) [People 132](#) [Teams 38](#) [Projects 0](#) [Settings](#)

Pinned repositories

Zenko

Zenko is the open source multi-cloud data controller: own and keep control of your data on any cloud.

Python ★ 209 🍴 45

metalk8s

An opinionated Kubernetes distribution with a focus on long-term on-prem deployments

Python ★ 81 🍴 11

cloudserver

Zenko CloudServer, an open-source Node.js implementation of the Amazon S3 protocol on the front-end and backend storage capabilities to multiple clouds, including Azure and Google.

JavaScript ★ 810 🍴 156

backbeat

Zenko Backbeat is the core engine for asynchronous replication, optimized for queuing metadata updates and dispatching work to long-running tasks in the background.

JavaScript ★ 19 🍴 13

quadiron

Fast Erasure Coding Library for Large Number of Data and Parities

C++ ★ 14 🍴 3

Arsenal

Common utilities for the open-source Scality S3 project components

JavaScript ★ 7 🍴 9

Customize pinned repositories

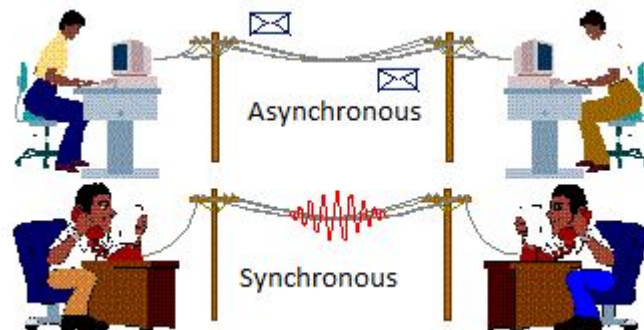
Contributor motivation



Working with community members*



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*Employees should also be considered as wider community members

Spot the difference



Photo by [Marcel Heil](#) on [Unsplash](#)



Photo by [Sam Loyd](#) on [Unsplash](#)

“The Four Opens”

<https://www.openstack.org/four-opens/>

- Open Source

- We are committed to creating truly open source software that is usable and scalable. Truly open source software is not feature or performance limited. There will be no “Enterprise Edition”.

- Open Design

- The community controls the design process. You can help make this software meet your needs.

- Open Development

- We maintain a publicly available source code repository through the entire development process. We do public code reviews. We have public roadmaps.

- Open Community

- Most decisions are made using a lazy consensus model. All processes are documented, open and transparent. Discussions are all public and archived (in text form.)

Migrating to open practice is hard

- Processes
- Tools
- People/skillset





Photo by [Aditya Sethia](#) on [Unsplash](#)

How to bring software to the people is different

What's the ROI of your community?



Different focus for community metrics

Foundation-based projects

- Organizational contribution data
- Project-level activities
- “Bus” or “pony” factors

For all open source projects

- Awareness
- New contributors
- Active contributors
- Throughput/Efficiency
- Community diversity
- Convert casual => regular contributors

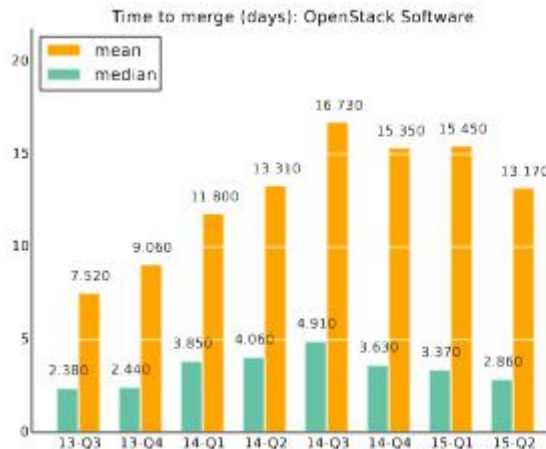
Company-led projects

- Individual contribution data
- Time-to-merge for internal vs. community contributions
- Identifying bugs earlier
- Increased adoption (in the ecosystem)
- Hiring

The ROI of community at OpenStack

Lots of happy new contributors

- Lean onboarding
- Fast development
- Reduced friction



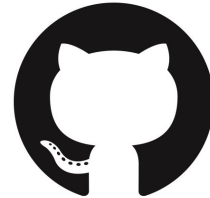
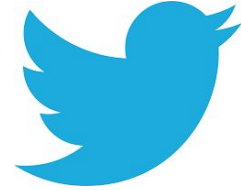
Period	Median	Mean
13-Q3	2.38	7.52
13-Q4	2.44	9.06
14-Q1	3.85	11.8
14-Q2	4.06	13.31
14-Q3	4.91	16.73
14-Q4	3.63	15.35
15-Q1	3.37	15.45
15-Q2	2.86	13.17



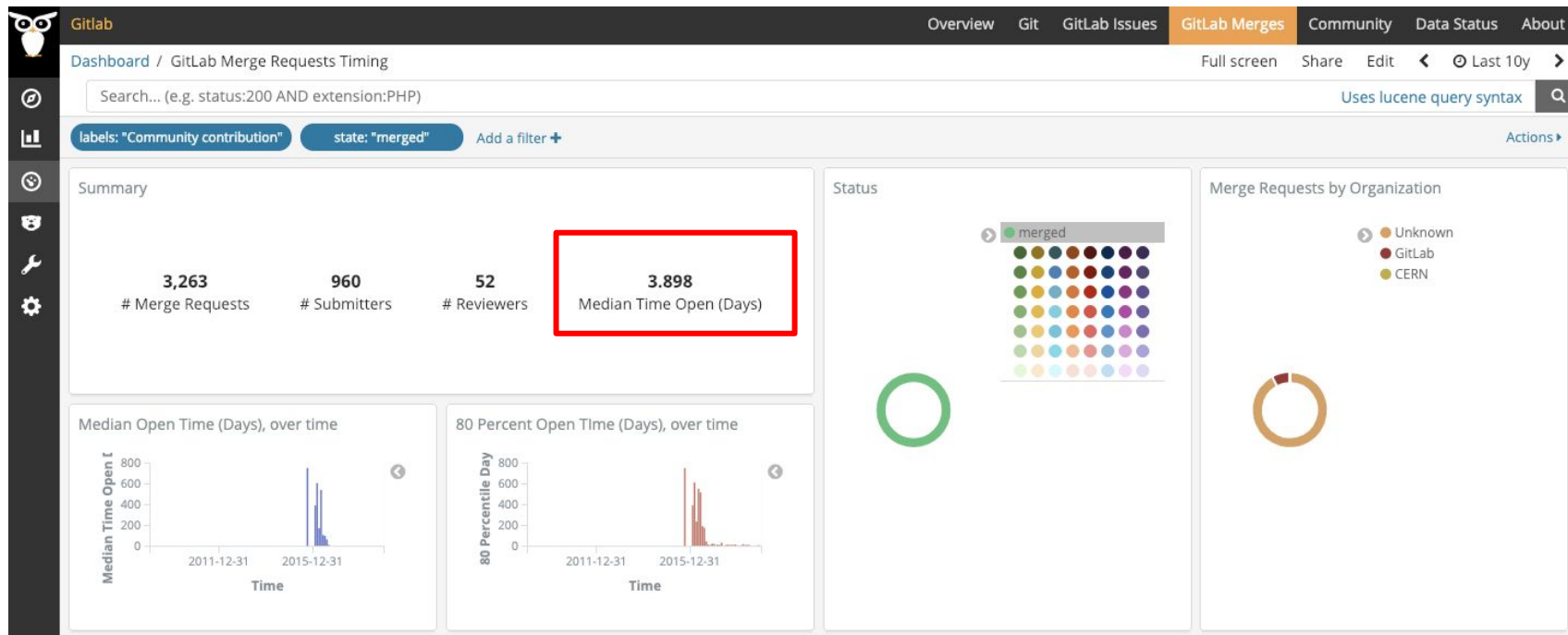
https://web.archive.org/web/20160819114013/http://activity.openstack.org/dash/reports/2015-q2/pdf/2015-q2_OpenStack_report.pdf



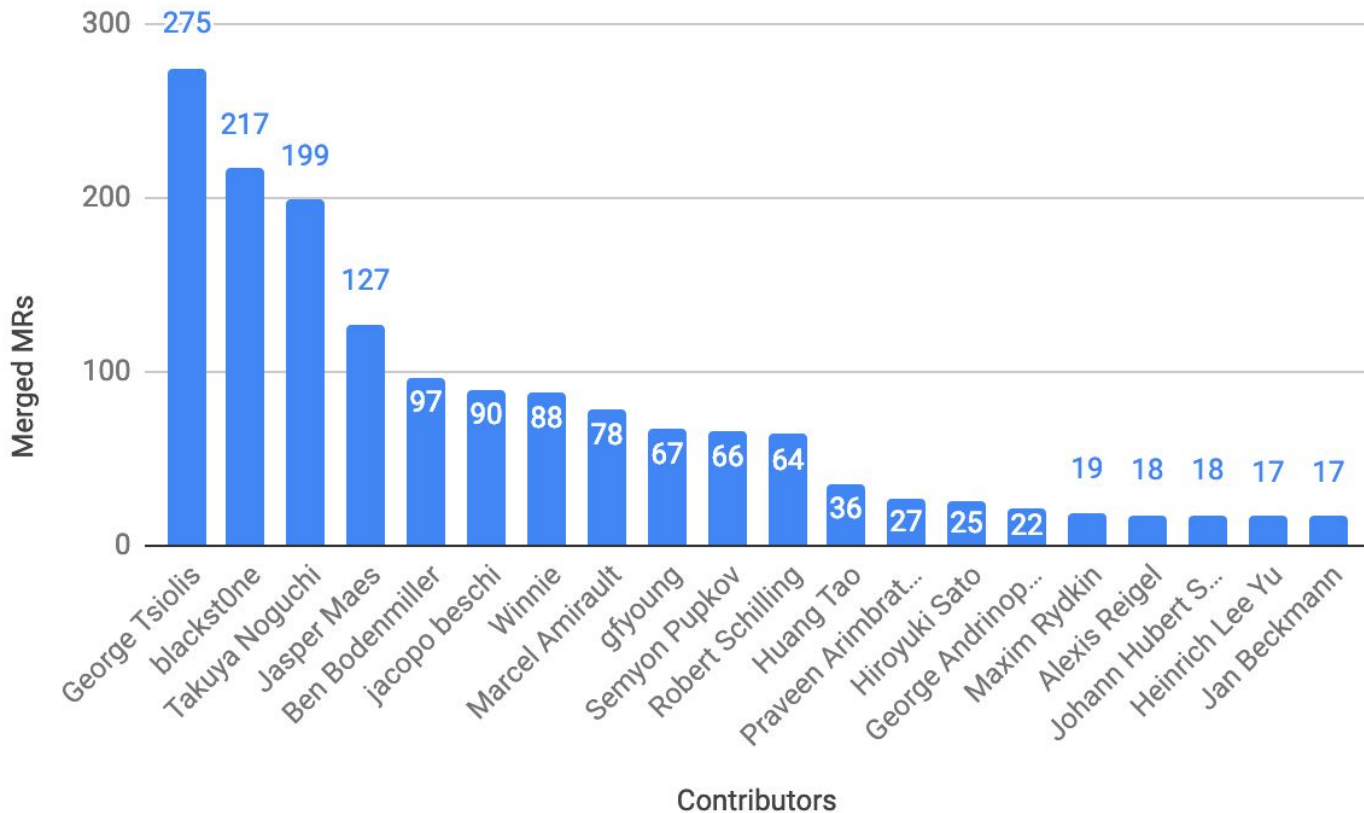
**Usual
suspects**



Responsiveness to community contribution



Individual contribution data



Key takeaways

There are differences in

- What motivates community members to participate & contribute
- How you engage with community members
- How you need to do your outreach
- Which community metrics that you focus on
- ...

between foundation-based vs.
company-led open source projects

However, key success ingredients

- Transparency
- Personal touch
- A sense of community or common mission
- Ensuring diverse members/perspectives
- ...

for community management are the same

