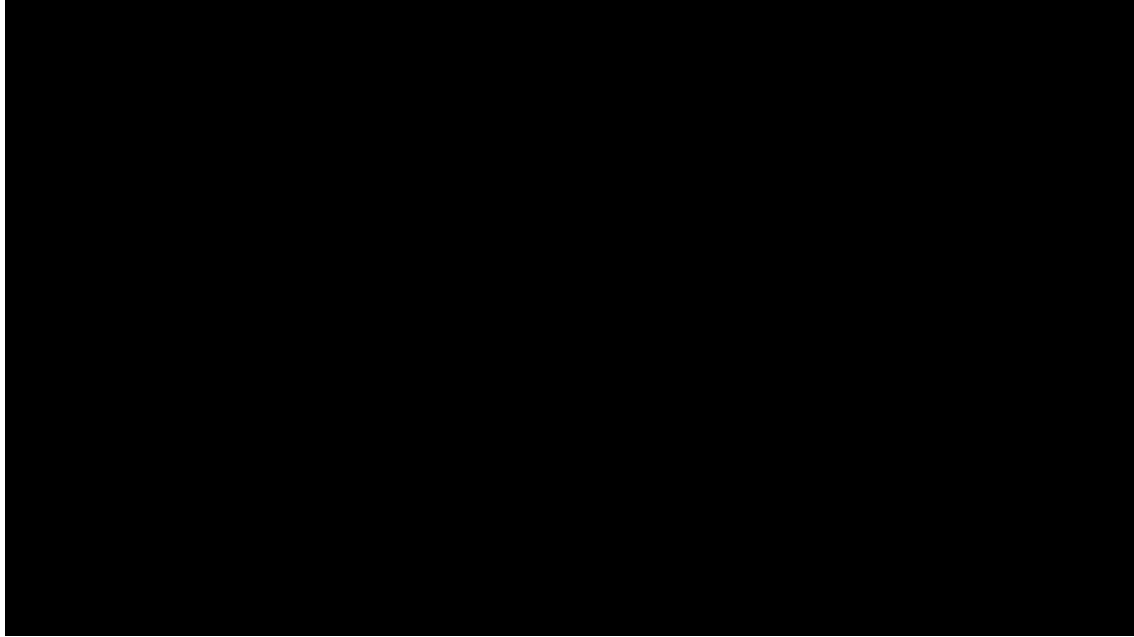


Kubernetes Superpower

**@SarahNovotny, Open Source Strategy
Google Cloud Platform**







**All 7 of the 4 founders
had industry changing
vision for Kubernetes**





kubernetes

by Google™

A top-down view of a person's feet wearing black sneakers with white laces, standing on asphalt. A large, light-colored world map is painted on the asphalt behind the feet. The text "Change conversations about cloud computing" is overlaid in white, bold font across the center of the map.

**Change conversations
about cloud computing**



Cross Industry Collaboration

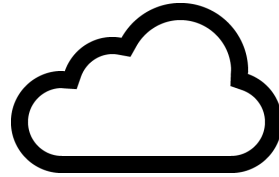
GIFEE



On-Premises



Hybrid



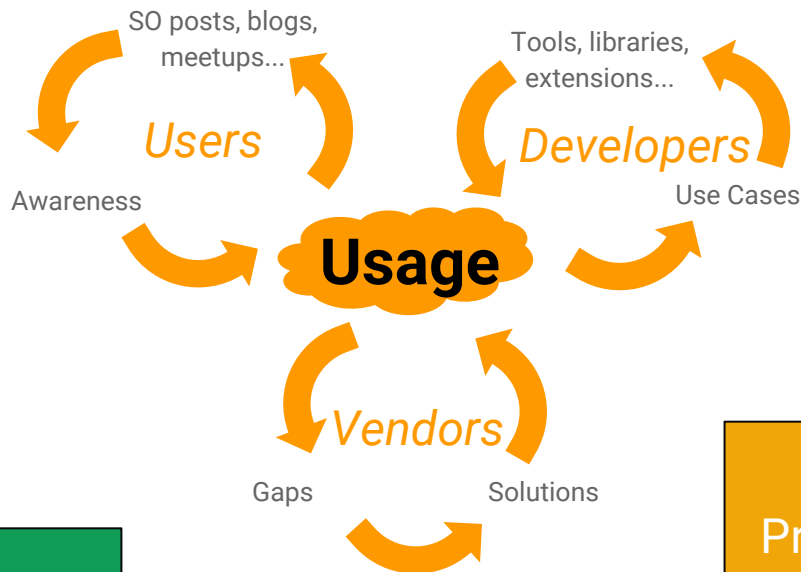
Cloud

Open Engagement



Open Engagement

400+
Meetup Groups
Worldwide



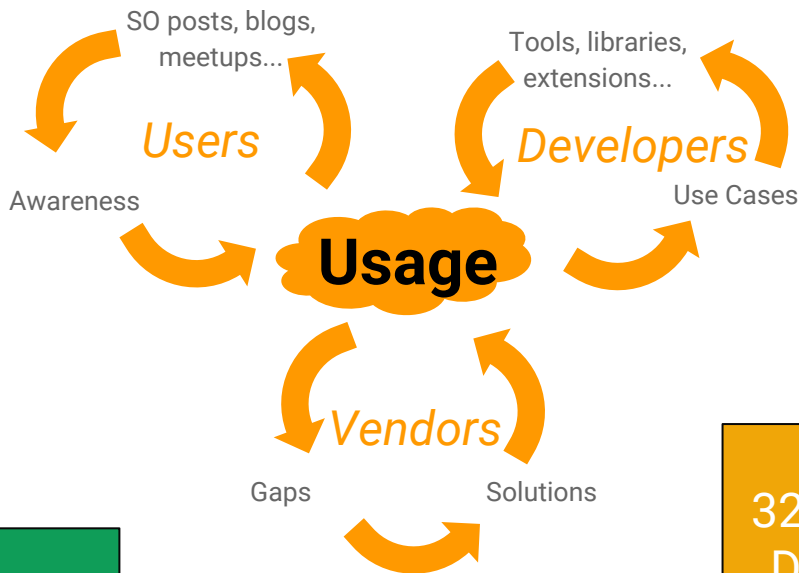
5,000+
Projects Based
on Kubernetes

25k+
GitHub Stars

Dozens of
Products with
Kubernetes
Support

Open Engagement

132k+
Meetup
Members
Worldwide



5,000+
Projects Based
on Kubernetes

59k+
GitHub Stars

32 Kubernetes
Distributions
and Platforms

Open Community, not Just Open Source



Companies
Contributing



And



Companies
Using



Open Engagement



32 Kubernetes
Distributions
and Platforms

The Team





Russ Cox

@_rsc

Follow



Replying to @_rsc @justicefries

Just as it makes no sense to be proud of being bad at math, it makes no sense to be proud of being bad at empathy and humility.
8/

8:10 PM - 19 Oct 2017

29 Retweets 78 Likes



Culture



A close-up photograph of a pile of cut logs and wood. The logs are stacked, showing various textures and colors of wood, from light tan to dark brown. The lighting is dramatic, highlighting the grain and texture of the wood. The text is overlaid on the image in a bold, white, sans-serif font.

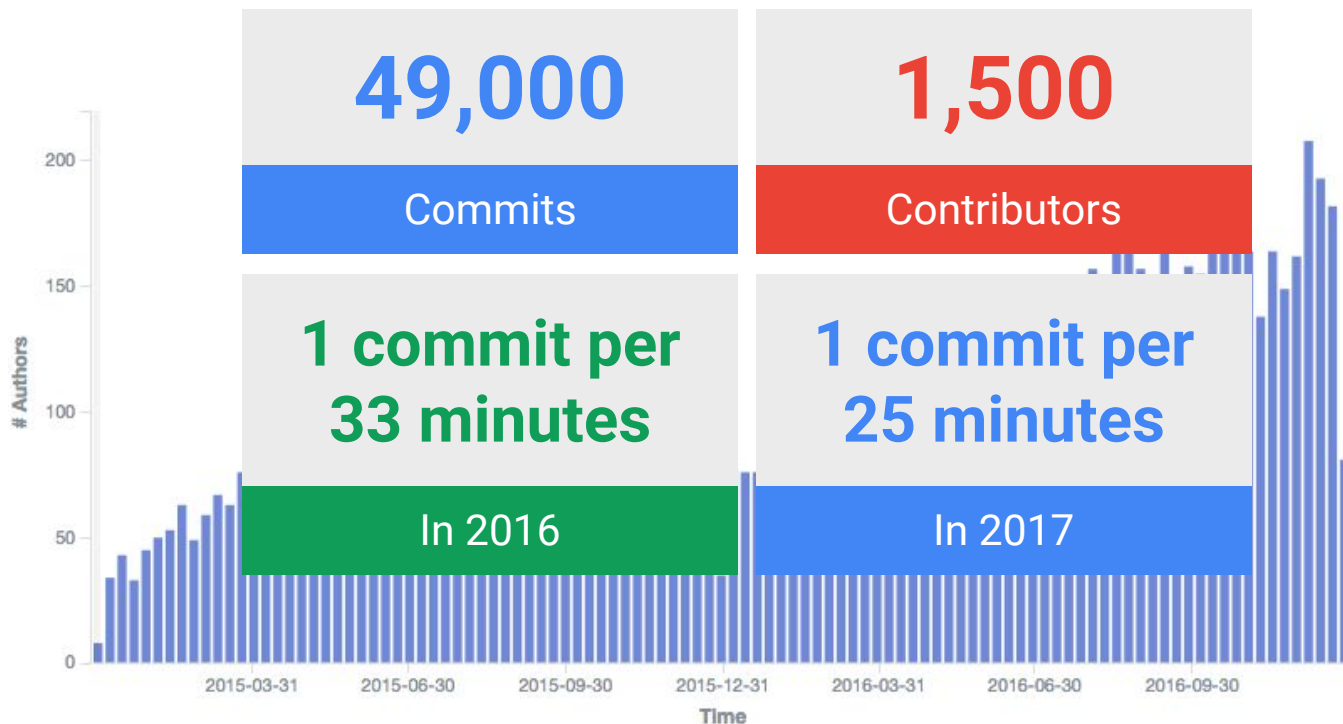
**“Action is the foundational
key to all success.”**

-- Pablo Picasso

Transparency



Community Growth

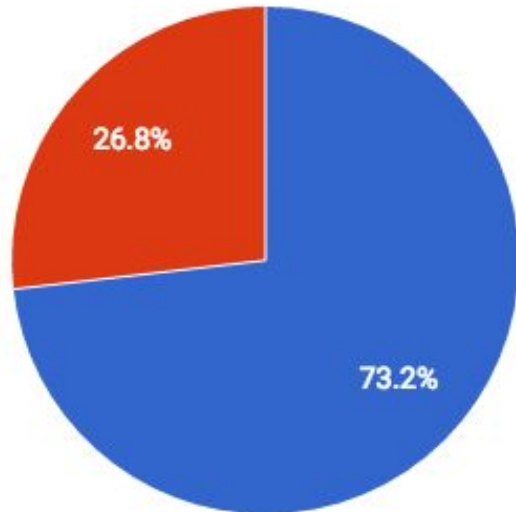


*Sources: [Analyzing GitHub issues and comments with BigQuery](https://cncf.biterg.io/app/kibana#/dashboard)
<https://cncf.biterg.io/app/kibana#/dashboard>
Who Writes Kubernetes by Łukasz Gryglicki

Community Composition

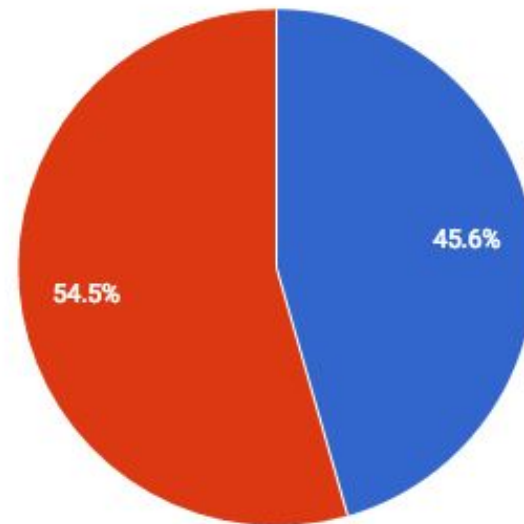


Before 1.0 GA



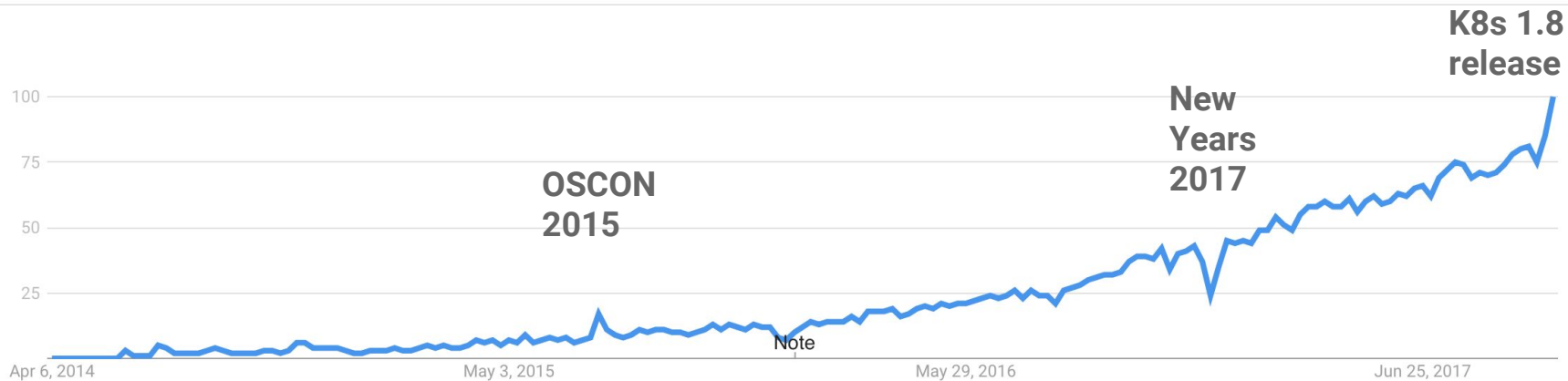
● Google ● Others

Between 1.0 - 1.8



● Google ● Others

Interest over time [?](#)



Steady growth of broad interest



Trust





Scale



Ownership

Governance

Process



"Coming together is a beginning. Keeping together is progress. Working together is success."

--Henry Ford

What helps it work?



Inclusion

Cross-organizational Teams

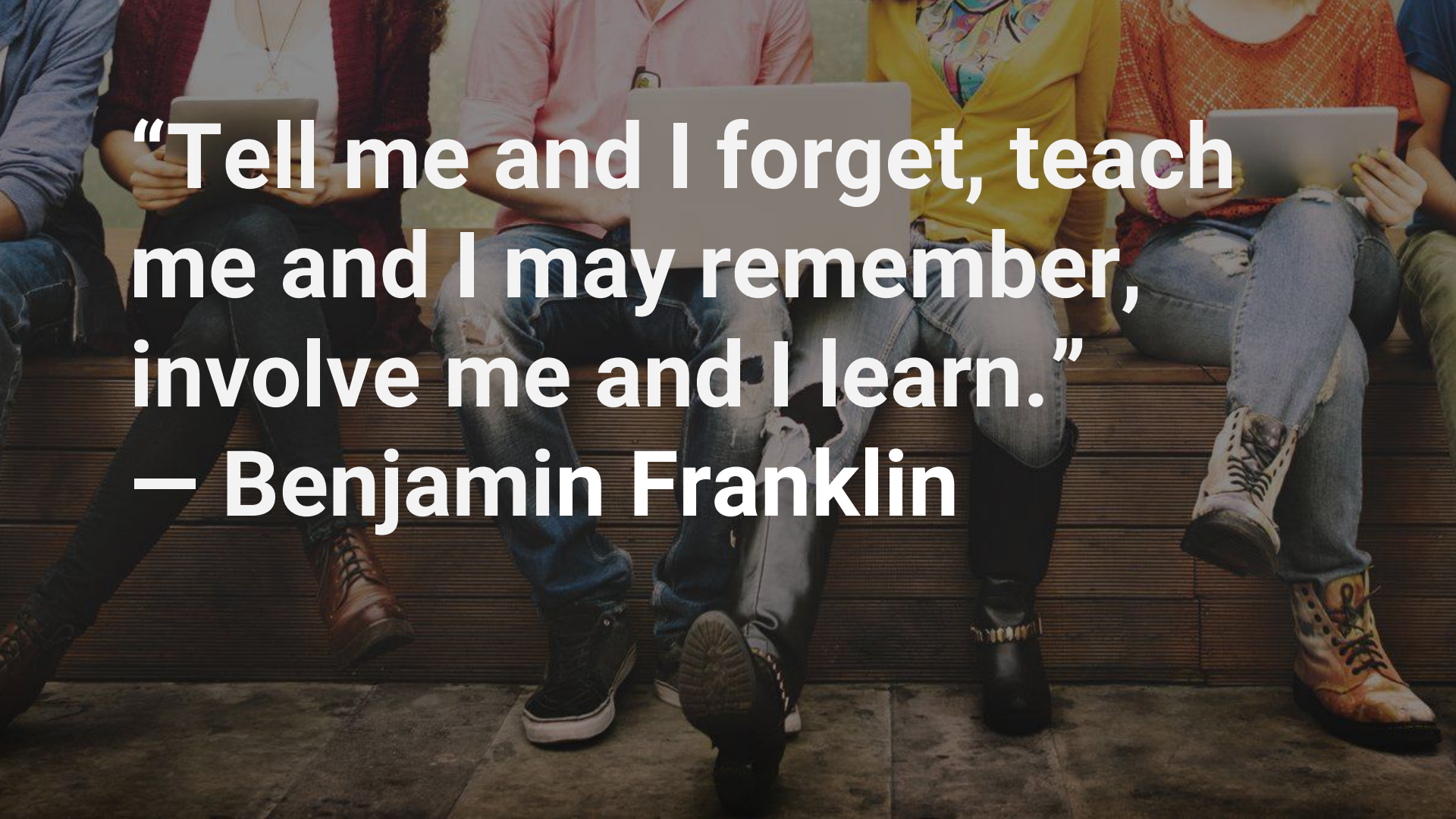
Transparency

Leadership

Learning Together

Inclusion



A group of young people are sitting on wooden steps. Some are using laptops and tablets. The image is overlaid with a quote in white text.

**“Tell me and I forget, teach
me and I may remember,
involve me and I learn.”
— Benjamin Franklin**

Special Interest Group (SIG)



Apps

Cluster life cycle

Service Catalog

AWS

Instrumentation

Auth

Autoscaling

Federation

Cluster Ops

Contributor
Experience

Docs

Scalability

API Machinery

Network

Node

OpenStack

rktetes

Scheduling

UI

Storage

Testing

Windows

On Prem

?

Transparency



GitHub Issues
and Proposals

Transparency



GitHub Issues
and Proposals

Community
Meetings

Public Slack &
Mailing Lists

Burndown
Meetings

Roadmap
process

Roadmap



1.6

Semi-annual
Unconference
with SIGS

- Themes
- Priorities
- Top down plan

1.7

Features repo
PM Group

- Feature freeze 2 weeks
into release
- Issue approval, Labels
- Backlog & Visibility

1.8

Release team
Launch

- Release notes, docs
- PR, Blogs

1.9

Leadership



Contributor

SIG
Leader

Product
Manager

Release
Manager



HELP

SUPPORT

ADVICE

GUIDANCE

We Learn Together



Retrospective

The screenshot shows a Google Docs document titled "Kubernetes 1.4 Release Community Retrospective". The document content includes:

- Little / No capacity from subteams / sigs reserved for release tasks - [pwitrock](#)
- Features "complete" without being fully functional and without e2e tests - [pwitrock](#)
- Test infrastructure

(+) What will we do differently for 1.5 and beyond [15 minutes]:

- Address P0 flakes during the dev cycle, raise visibility
- Close out stale open issues
- Correct documentation for version skew
- Version skew tests we have should remain passing through dev cycle

ACTION ITEMS:

WHAT	OWNER
Get a partner for the 1.5 release czar	Caleb Miles / Saad Ali
Project management tracking or not for releases?	Community Meeting
Upgrade testing discussion and then doc update (version skew a specific case)	Community Meeting
Full test coverage upgrade testing is and needs to be done, as we	

On the right side of the screenshot, there is a video conference overlay with three participants visible in a vertical stack. The top participant is a man with glasses and a black shirt. The middle participant is a man with a beard and headphones. The bottom participant is a man with glasses and a black and white shirt. Below the video feeds is a placeholder for a fourth participant.



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