



KUBERNETES A YEAR IN REVIEW

2016 has been a wild year of exponential growth for Kubernetes - the open source container orchestration platform. Hundreds of new contributors worldwide have driven rapid development of features, and more and more companies have adopted Kubernetes as the best way to host high availability containerised microservices in production.

Some of the features released in 2016 that we at LiveWyer use daily are:

- Native leader election for Kubernetes Master components
- Volume plugins (FlexVolume)
- Stateful Sets (formerly Pet Sets)
- Integration with VMWare vSphere
- Improved support for federated Kubernetes clusters

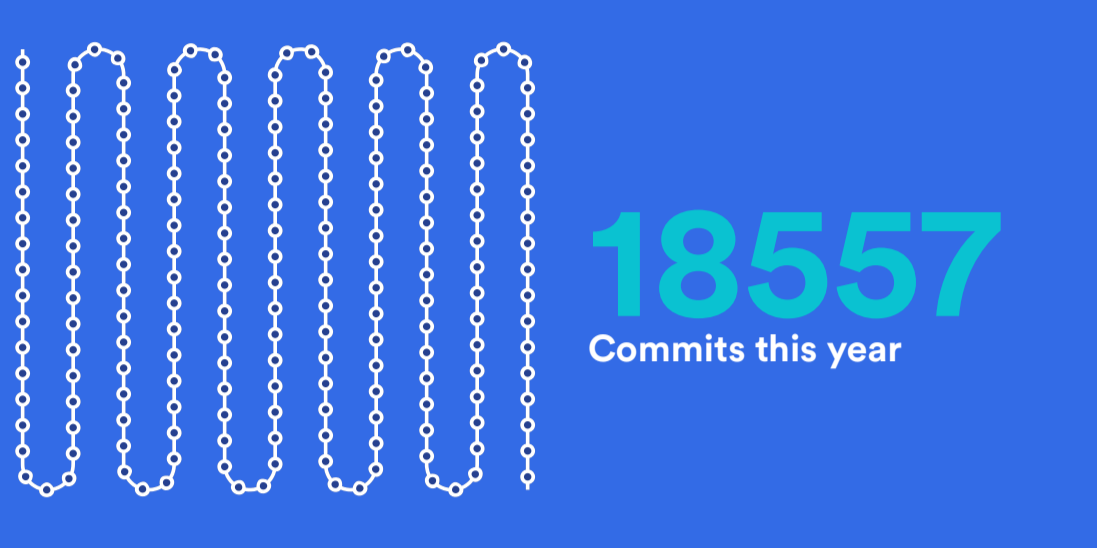
As the user base continues to increase, the Cloud Native Computing Foundation (CNCF) provides global outreach for the Kubernetes Project, and hosted the inaugural Kubecon EU in London, UK and and Kubecon Seattle.

LiveWyer are members of the CNCF - and a Kubernetes Service Provider, so we thought we should look back at the growth of Kubernetes over the past 12 months.

MAJOR RELEASES



KEY STATS



TOP CONTRIBUTORS

BY COMMITS



BY LINES



HASHTAG OF THE YEAR

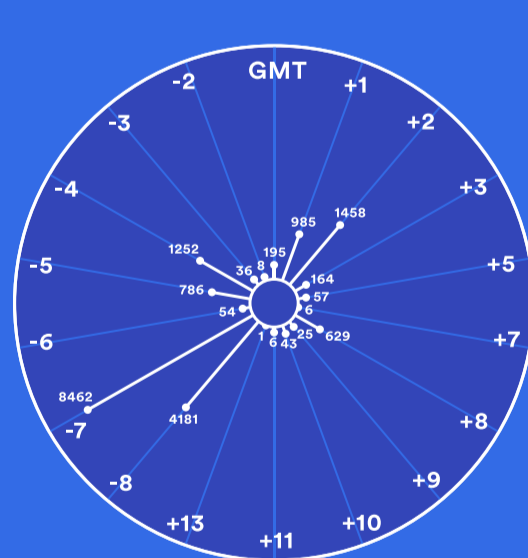
#kubernetes

QUOTE OF THE YEAR

“So let me get this straight. You want to build an external version of the Borg task scheduler. One of our most important competitive advantages. The one we don’t even talk about externally. And, on top of that, you want to open source it?”

Urs Holzle – former Head of Technical Infrastructure, Google

TIME/LOCATION

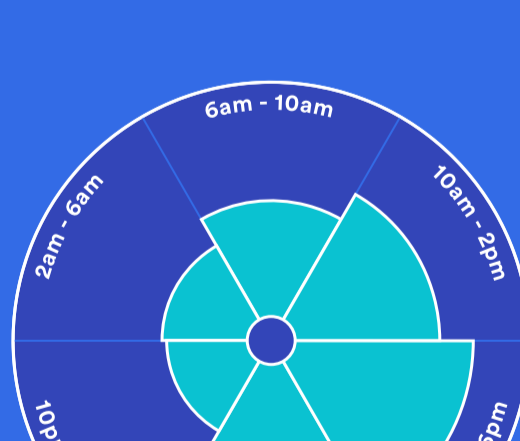


COMMITTS BY TIMEZONE

- Once again the biggest contributors by timezone were GMT-7, with 46% of commits.
- Congratulations to GMT+3 with 164 commits - a 432% increase on last year!
- GMT follows the pound this year, with a 59.5% decrease in commits - while GMT+1 registered a 39% improvement.

COMMITTS BY TIME OF DAY (GMT -7)

- The most popular time for commits was 2pm - 6pm – 24% of all commits.
- The repository now contains 2552778 lines of Go.



COMMITTS BY MONTH

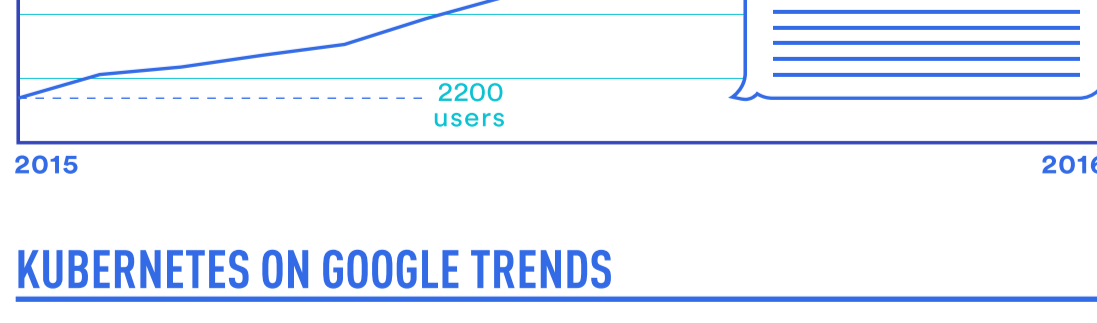
- August was Kube’s busiest month, with 2005 commits - followed by September and February.
- This is in contrast to last year, when June, July and September were most significant.
- There’s a consistent dip in April.

WIDER PROGRESS

KUBERNETES ON SLACK



KUBERNETES ON GOOGLE TRENDS



CONCLUSIONS

The huge increase in developer contributions to the project is highlighted by the number of stable releases within a year. The velocity of the Kubernetes project has more than doubled and shows no sign of slowing down.

As an eventful year draws to a close, we’re excited to see where Kubernetes will go in 2017. Happy Holidays and we look forward to seeing you at Kubecon Berlin next March!

from all the team at LIVEWYER | livewyer.io