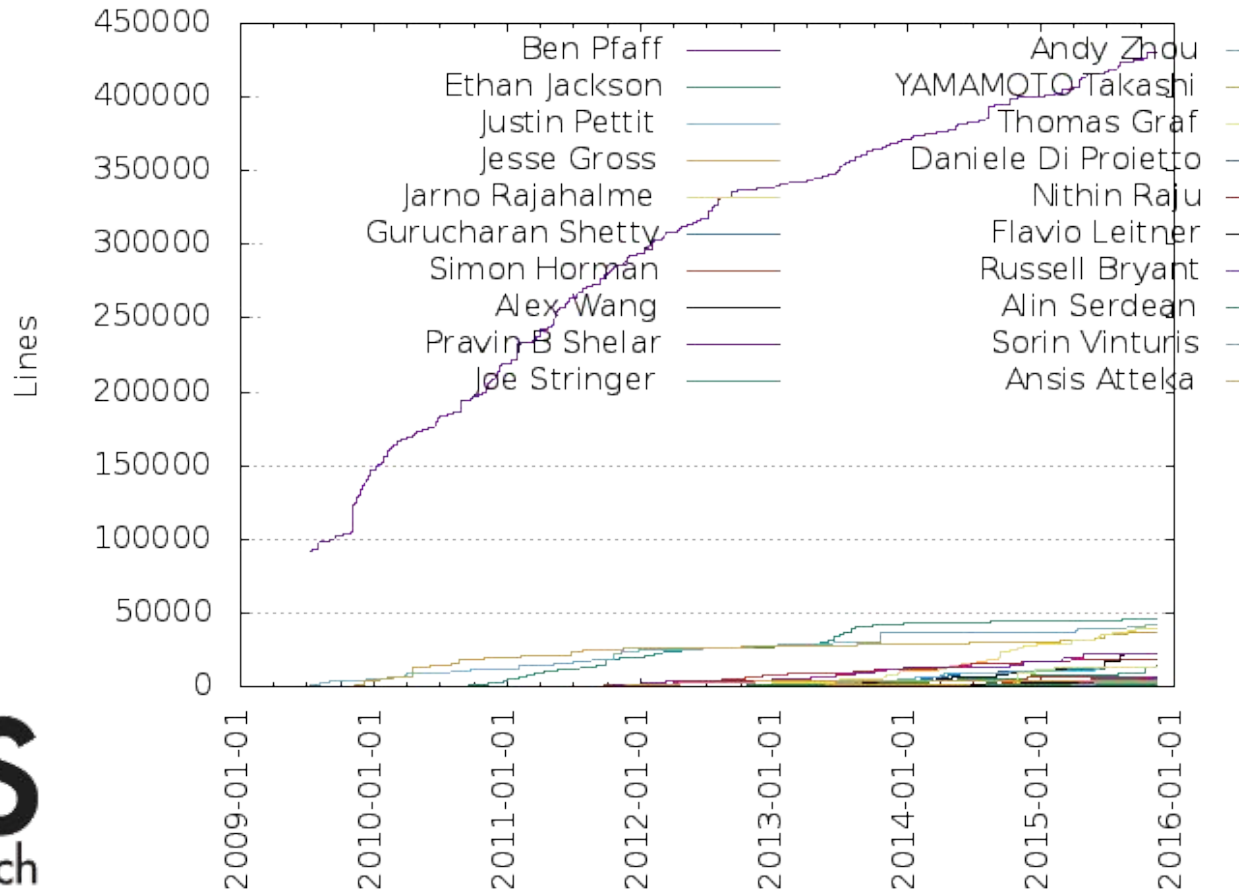


# Is the OVS community open enough?

**Thomas Graf**  
Noiro Networks, Cisco



# Cumulated Added Lines of Code per Author



## Conclusion #1

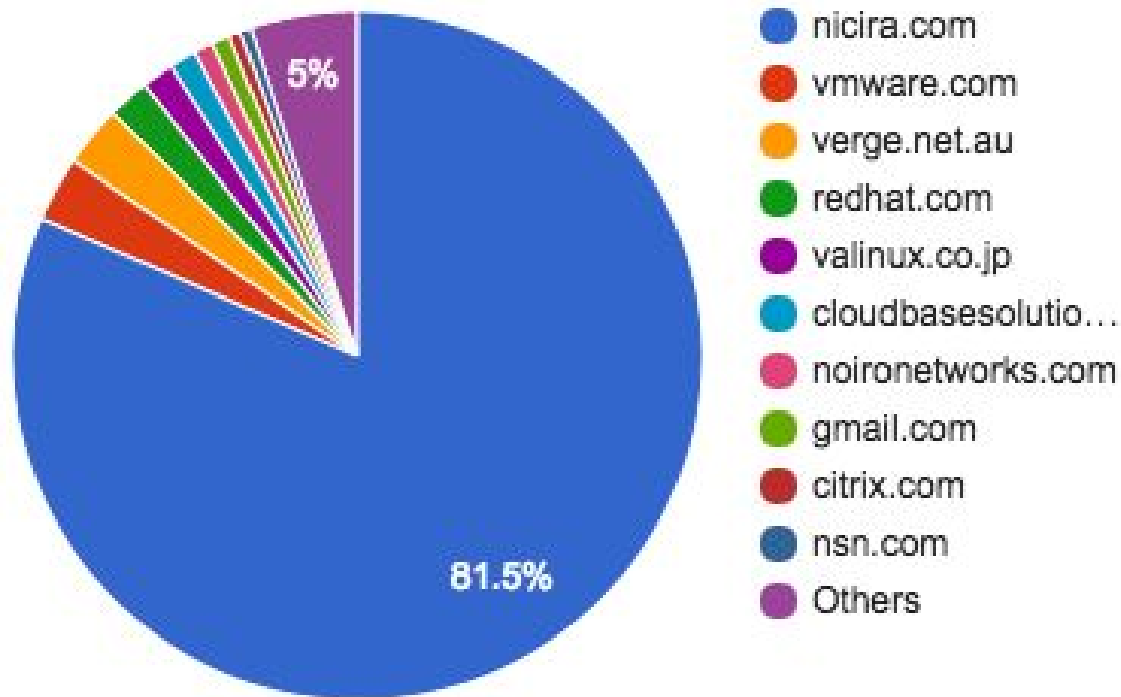
**Ben is a coding machine**



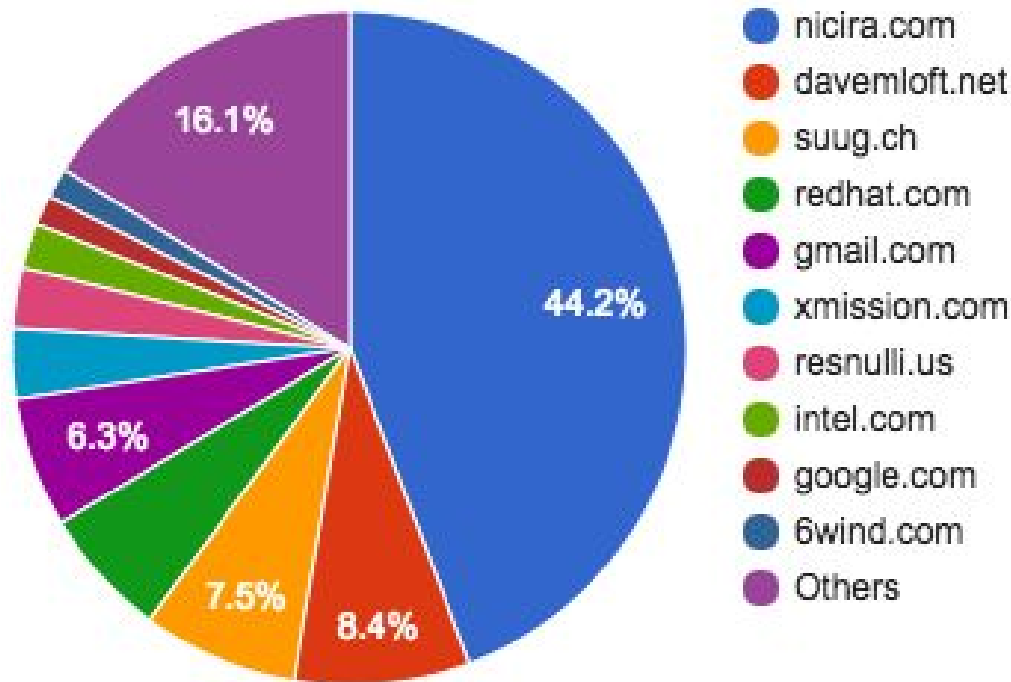
# Most active developer per month

Month	Author	Commits (%)	Next top 5	Number of authors
2015-11	Jarno Rajahalme	4 (21.05% of 19)	Justin Pettit, Ben Pfaff, Russell Bryant, Andy Zhou, Sairam Venugopal	10
2015-10	Ben Pfaff	47 (33.57% of 140)	Justin Pettit, Gurucharan Shetty, Russell Bryant, Jarno Rajahalme, Andy Zhou	24
2015-09	Ben Pfaff	27 (18.37% of 147)	Joe Stringer, Alin Serdean, Andy Zhou, Justin Pettit, Thadeu Lima de Souza Cascardo	33
2015-08	Alex Wang	25 (17.99% of 139)	Jarno Rajahalme, Ben Pfaff, Justin Pettit, Russell Bryant, Joe Stringer	26
2015-07	Ben Pfaff	85 (43.15% of 197)	Joe Stringer, Andy Zhou, Sorin Vinturis, Jarno Rajahalme, Alex Wang	31
2015-06	Ben Pfaff	34 (23.94% of 142)	Jarno Rajahalme, Alex Wang, Jesse Gross, Gurucharan Shetty, Daniele Di Proietto	29
2015-05	Ben Pfaff	19 (15.32% of 124)	Jesse Gross, Daniele Di Proietto, Joe Stringer, Jarno Rajahalme, Sorin Vinturis	23
2015-04	Ben Pfaff	66 (31.73% of 208)	Justin Pettit, Russell Bryant, Daniele Di Proietto, Alex Wang, Jesse Gross	24
2015-03	Ben Pfaff	29 (17.90% of 162)	Andy Zhou, Jarno Rajahalme, Sorin Vinturis, Russell Bryant, Justin Pettit	27
2015-02	Ben Pfaff	49 (32.45% of 151)	Andy Zhou, Thomas Graf, Jesse Gross, Alex Wang, Gurucharan Shetty	23
2015-01	Ben Pfaff	24 (28.92% of 83)	Thomas Graf, Gurucharan Shetty, Joe Stringer, Jarno Rajahalme, Flavio Leitner	25
2014-12	Thomas Graf	14 (17.28% of 81)	Joe Stringer, Jarno Rajahalme, Alex Wang, Ben Pfaff, YAMAMOTO Takashi	18
2014-11	Jarno Rajahalme	34 (14.85% of 229)	Flavio Leitner, Simon Horman, Ben Pfaff, Thomas Graf, Pravin B Shelar	27

# Commits by domain since beginning



# Kernel commits by domain since beginning



## Conclusion #2

**Majority of commits are still from Nicira team but it is balancing out.**

# The Real Question:

## Is the OVS community effective as a team?

Successful community efforts which required a full stack collaboration:

- OVN
- Stateful services (conntrack/NAT/...)
- Generic datapath (Lightweight tunnels, eBPF, ...)





# Becoming a committer is simple

- 1. Write Code. Do Reviews.**
- 2. No company policy**



# Example:

- OVS community contributed the concept of lightweight, scalable tunnels to the Linux kernel in a collaborative effort (Red Hat, VMWare, Cisco).
- The kernel community reaction:

**Pull request David S. Miller to Linus Torvalds:**

*“Another merge window, another set of networking changes. I've heard rumblings that the lightweight tunnels infrastructure has been voted networking change of the year. But what do I know?”*



## **(Personal) Conclusion #3**

**OVS is one of the most effective and well governed open source projects I've worked on.**



# Thank You

## Statistics source:

- <http://www.infradead.org/~tgr/ovsstats/>

## To get in touch:

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- Twitter: [@tgraf\\_\\_](https://twitter.com/tgraf__)

