

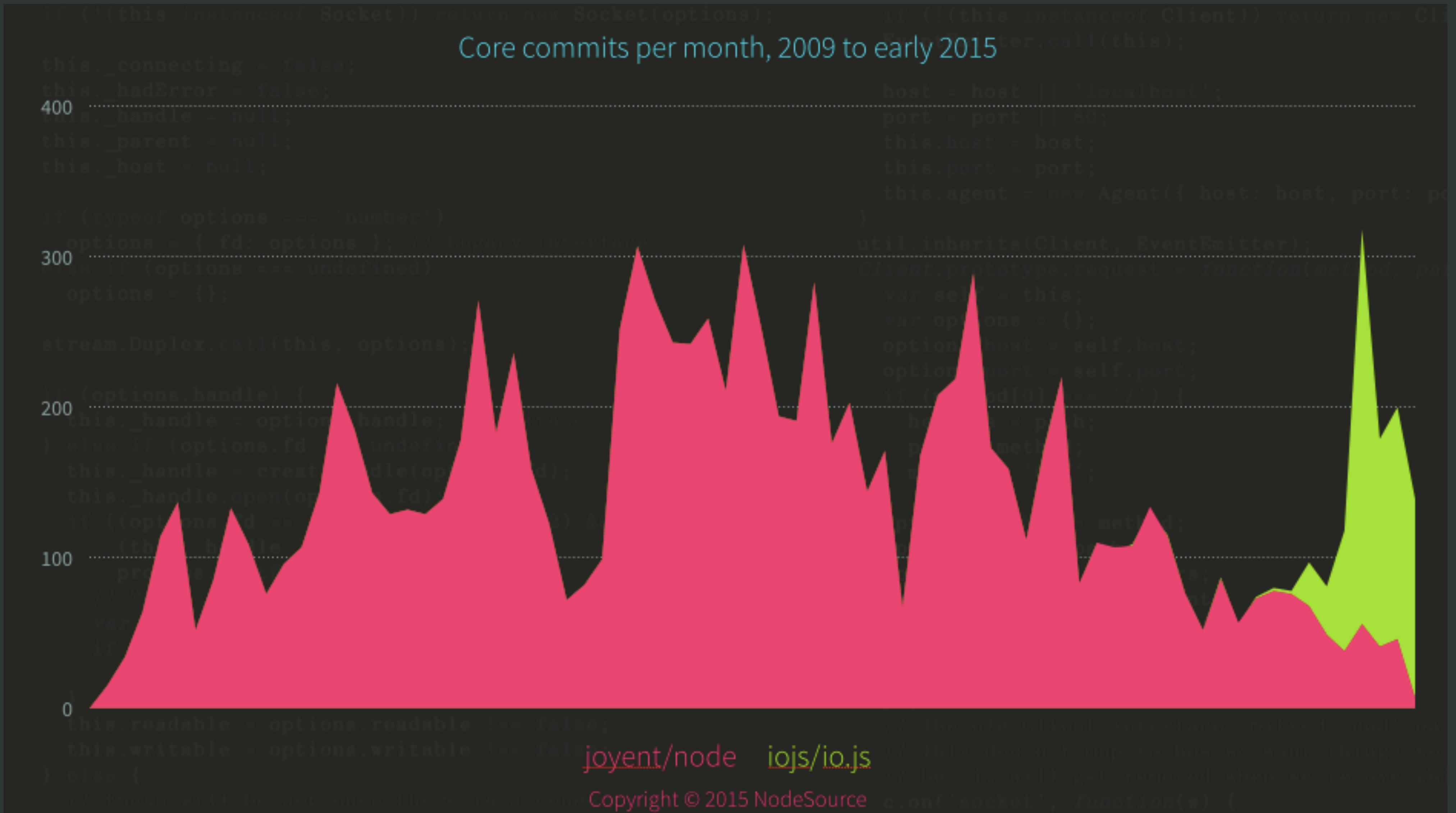
The New Node.js

io.js reconciliation and v4.0



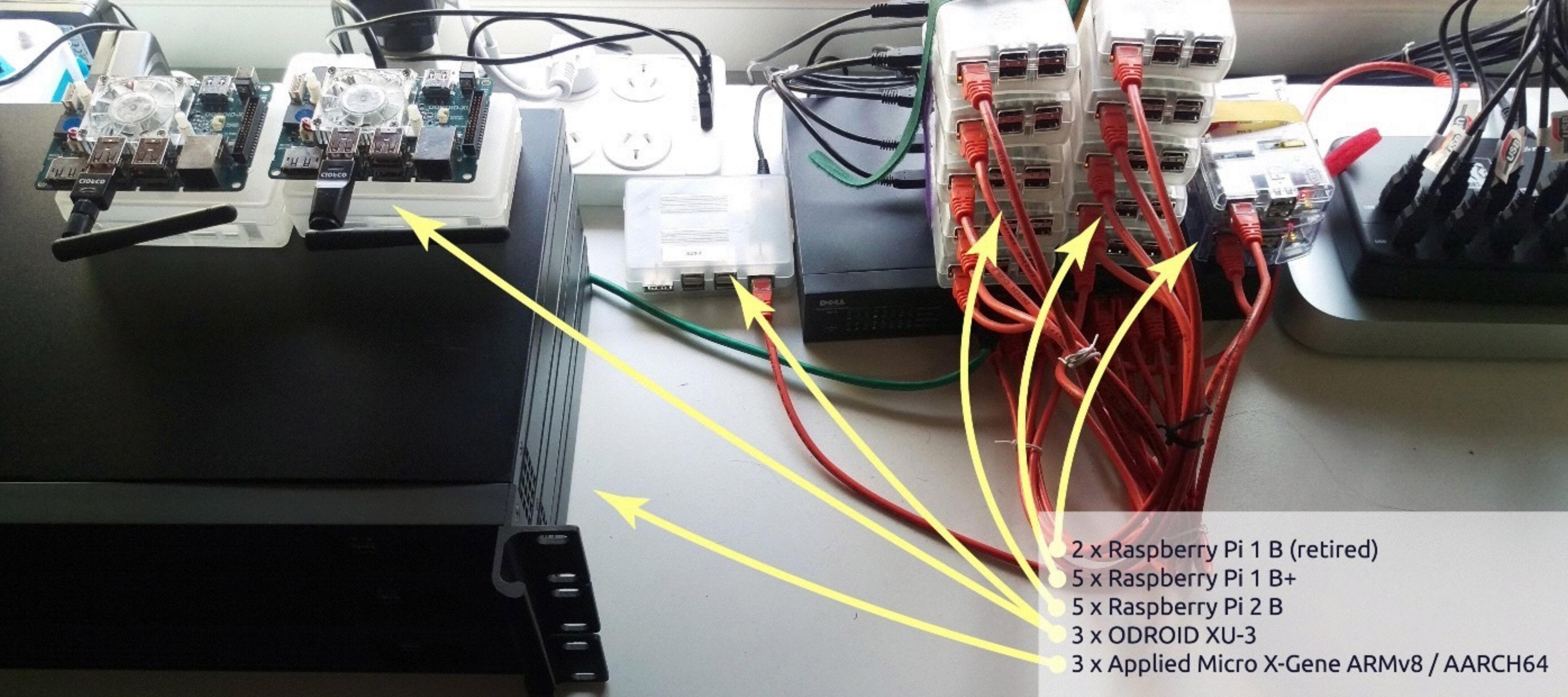
NODESOURCE

November 14, 2015



io.js achievements

- **Ship code!**
- Reinvigorate the community, reengage with contributors
- Open up governance of core: no more BDFL, adopt OPEN Open Source, increase transparency, remove the corporate stranglehold
- Code and architecture decisions by discussion and consensus, not dictate
- Reconnect with V8 and the V8 team, ship new versions of V8
- Improve code testing and quality, introduce expansive CI infrastructure



The ARM test cluster: ARMv6, ARMv7, ARMv8

A new home for Node.js

The Node.js Foundation:

- Born mid-2015
- **Reunites joyent/node and io.js**
- https://github.com/nodejs/*
- <https://nodejs.org>
- Governed by a board of paying members
- Technical governance strictly by a Technical Steering Committee (TSC)

Platinum



Gold



Silver



The TSC

- Alexis Campailla (@orangemocha)
- Ben Noordhuis (@bnoordhuis)
- Bert Belder (@piscisaureus)
- Brian White (@mscdex)
- Chris Dickinson (@chrisdickinson)
- Colin Ihrig (@cjihrig)
- Fedor Indutny (@indutny)
- James M Snell (@jasnell)
- Jeremiah Senkpiel (@Fishrock123)
- Julien Gilli (@misterdjules)
- Michael Dawson (@mhdawson)
- Rod Vagg (@rvagg)
- Shigeki Ohtsu (@shigeki)
- Steven R Loomis (@srl295)
- Trevor Norris (@trevnorris)

Collaborators: OPEN Governance

Individuals making significant contributions to Node.js core are added as **collaborators** and share ownership of core

- Can merge new code
- Can close issues
- Can disagree with (block) pull requests

Consensus-seeking: Nothing is unilateral, everything must be up for discussion

The TSC is a subset of the collaborator group and serves as an adjudicator *where one is needed*

Core Collaborators

- Isaac Z. Schlueter (@isaacs)
- Mikeal Rogers (@mikeal)
- Thorsten Lorenz (@thlorenz)
- Stephen Belanger (@qard)
- Evan Lucas (@evanlucas)
- Brendan Ashworth (@brendanashworth)
- Vladimir Kurchatkin (@vkurchatkin)
- Nikolai Vavilov (@seishun)
- Nicu Micleușanu (@micnic)
- Aleksey Smolenchuk (@lxe)
- Sam Roberts (@sam-github)
- Wyatt Preul (@geek)
- Christian Tellnes (@tellnes)
- Robert Kowalski (@robertkowalski)
- Julian Duque (@julianduque)
- Johan Bergström (@jbergstroem)
- Roman Reiss (@silverwind)
- Petka Antonov (@petkaantonov)
- Yosuke Furukawa (@yosuke-furukawa)
- Alex Kocharin (@rlidwka)
- Christopher Monsanto (@monsanto)
- Ali Ijaz Sheikh (@ofrobots)
- Oleg Elifantiev (@Olegas)
- Domenic Denicola (@domenic)
- Rich Trott (@Trott)
- Сковорода Никита Андреевич (@ChALkeR)
- Sakthipriyan Vairamani (@thefourtheye)
- Michaël Zasso (@targos)
- João Reis (@joaocgreis)

Beyond Node.js Core: Working Groups

- Addon-API: NAN, node-gyp
- API
- Benchmarking
- Build
- Docker
- Documentation
- Evangelism
- Hardware
- Intl
- *Language groups*
- LTS
- Post-mortem
- Streams
- Tracing
- Website

Beyond Node.js?

Node.js v4: wut?

- io.js forked joyent/node v0.11 and shipped **v1**
- joyent/node shipped **v0.12**
- io.js shipped **v2**

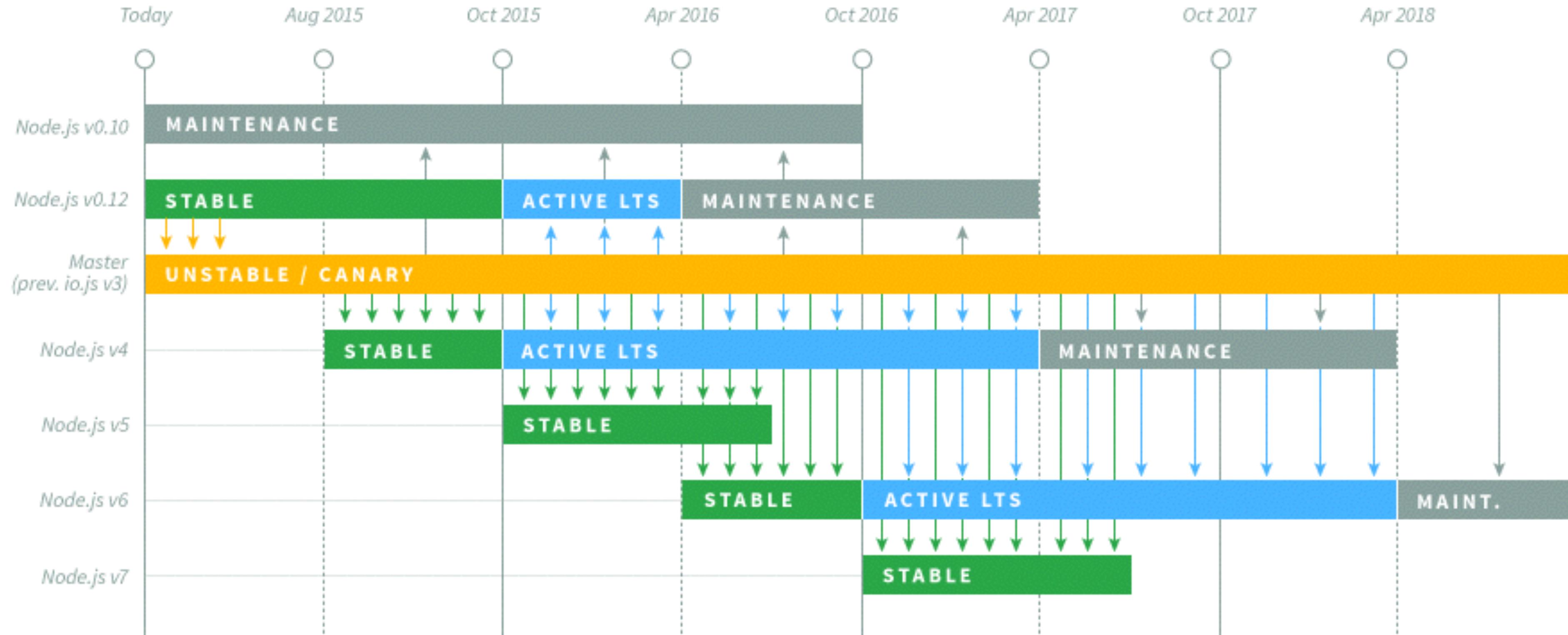
— *reconciliation* —

- io.js **v3** = io.js + non-breaking joyent/node additions since fork (e.g. *Intl*)
- Node.js **v4** = io.js v3 + breaking changes (e.g. s/io.js/node)

Node.js v4

- Many bug fixes & stability improvements
- Many performance improvements
- Buffer now backed by TypedArrays
- OpenSSL 1.0.2
- V8 4.5 (i.e. Chrome 45, released yesterday, lotsa ES6)
- Streams3+
- Removed SSLv2 & SSLv3, modern default cipher list (no RC4)

Node.js Long Term Support Release Schedule (draft)



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Thank you.

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