



Introduction to existing process



- Mailing list with patch based development
 - Work split into sub-trees
 - Each component has a maintainer
 - 134 unique maintainers, 9 sub-trees, 2 draft sub-trees in v19.08
 - > 4 application project hosted in dpdk.org
 - Repos hosted at git.dpdk.org, mirrored on GitHub
- A release every 3 months, xx.02, xx.05, xx.08, xx.11 (LTS)
 - Proposal 1st month: Submit new patches/RFC/v1
 - Integration 2nd month: Code reviewed and new revisions. Ends with RC1
 - **Test** 3rd month: Testing and fixes applied. Ends with release

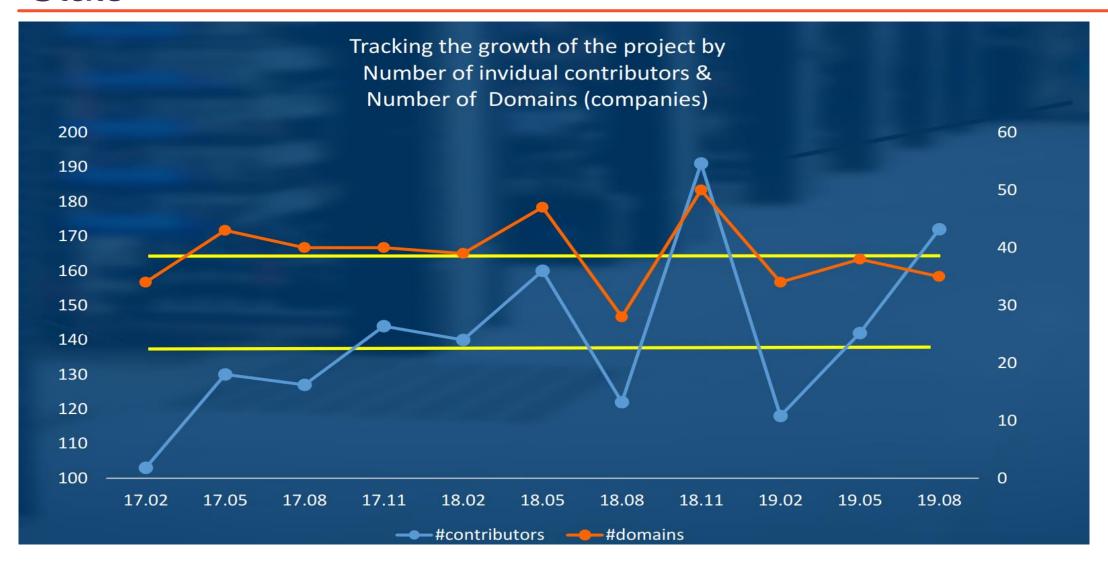
Stats





Stats









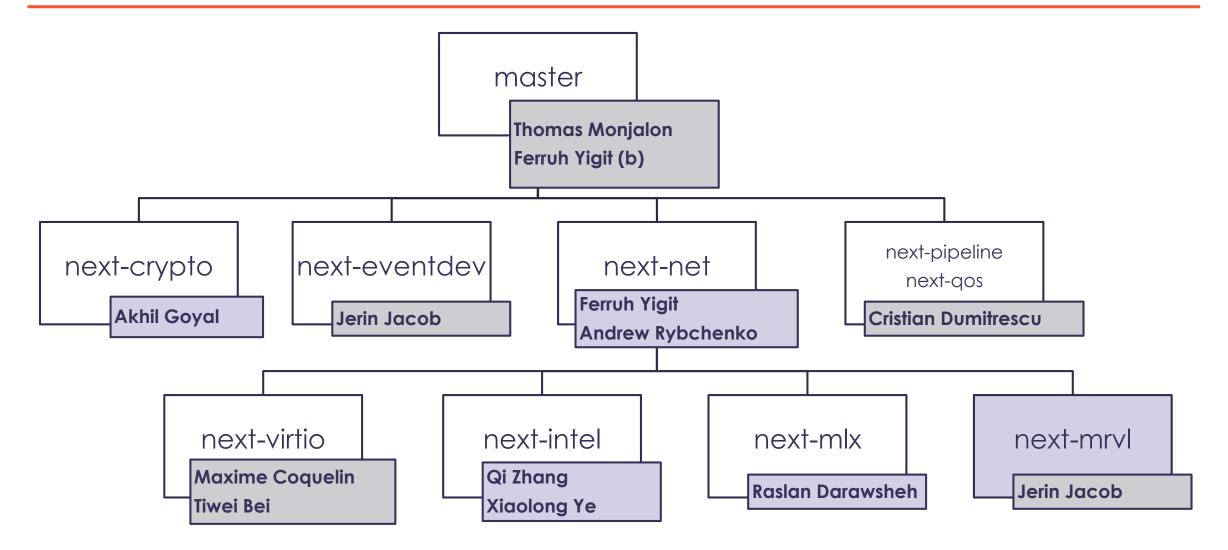
```
59342 - Sep. 18, 2019 (240 days)
50000 - Jan. 22, 2019 (253 days)
40000 - May 14, 2018 (217 days)
30000 - Oct. 9, 2017 (258 days)
20000 - Jan. 25, 2017 (372 days)
10000 - Jan. 20, 2016 (645 days)
00001 - April 16, 2014
```

git diff --shortstat v18.11..v19.08

2728 files changed, 401401 insertions(+), 230725 deletions(-)

Subtrees and Maintainers





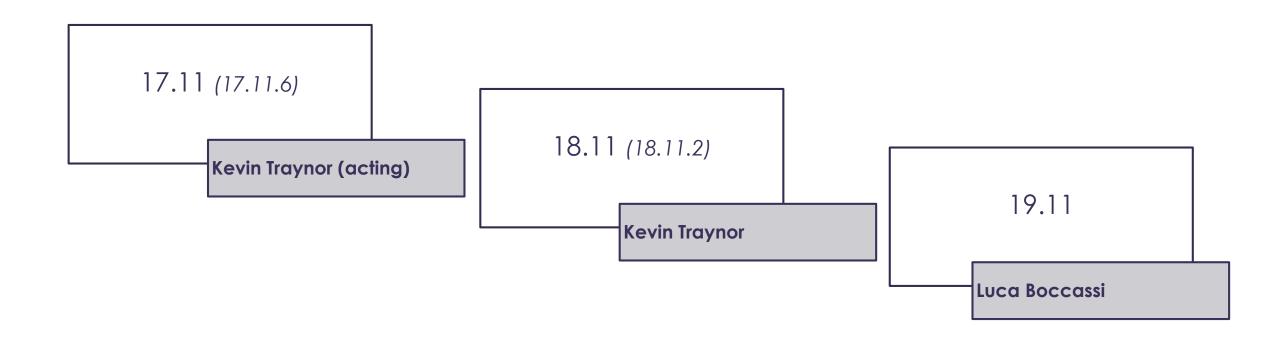




- Travis CI support
- DPDK Open Lab OvS testing, build tests
- Intel public CI improved [1]
- New Security process
- More mature meson support
- New email archive and news server, inbox.dpdk.org
- Online cross reference, lxr.dpdk.org
- Weekly project status meetings going on

LTS trees and Maintainers





New PMDs (since 18.11)



next-net

- af_xdp
- hinic
- ice
- ipn3ke
- memif
- nfb
- octeontx2
- ppfe (19.11)
- hns3 (19.11)

crypto

• nitrox (19.11)

eventdev

octeontx2

mempool

octeontx2

raw

- ioat
- ntb

baseband

fpga_lte_fec

Other



- libraries
 - librte_ipsec
 - librte_rcu
 - librte_stack
 - librte_rib (19.11)

- platform
 - windows
- apps
 - test-compress-perf

Discussion (From last year) Are we better?



- Predictability of status of a feature
- Complex feature requirement gathering and design review
- Multi-vendor features
- Timely releases and milestones
- Release cycle
- Roadmaps

- DPDK Open Lab
- Patch lifecycle metrics
- Consumption metrics
- More Unit Test / Documentation
- More reviews
- Git Merge



Thank you

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Backup [1]



_	+=====================================					+======- Meson	+======+ Document
os	gcc	clang	icc	gcc+shared	gcc+debug	gcc/clang	pdf/html
RHEL76-64 CENTOS76-64 UB1804-64 UB1604-32 UB1904-64 UB1604-64	pass pass pass pass pass pass pass pass	pass pass pass	pass pass	 pass 	pass	pass pass	 pass
FC30-64 WIN10-64 FreeBSD12-64 RHEL80-64 SUSE15-64	pass pass pass pass pass	pass pass pass pass		 pass 	pass	pass pass pass pass	