



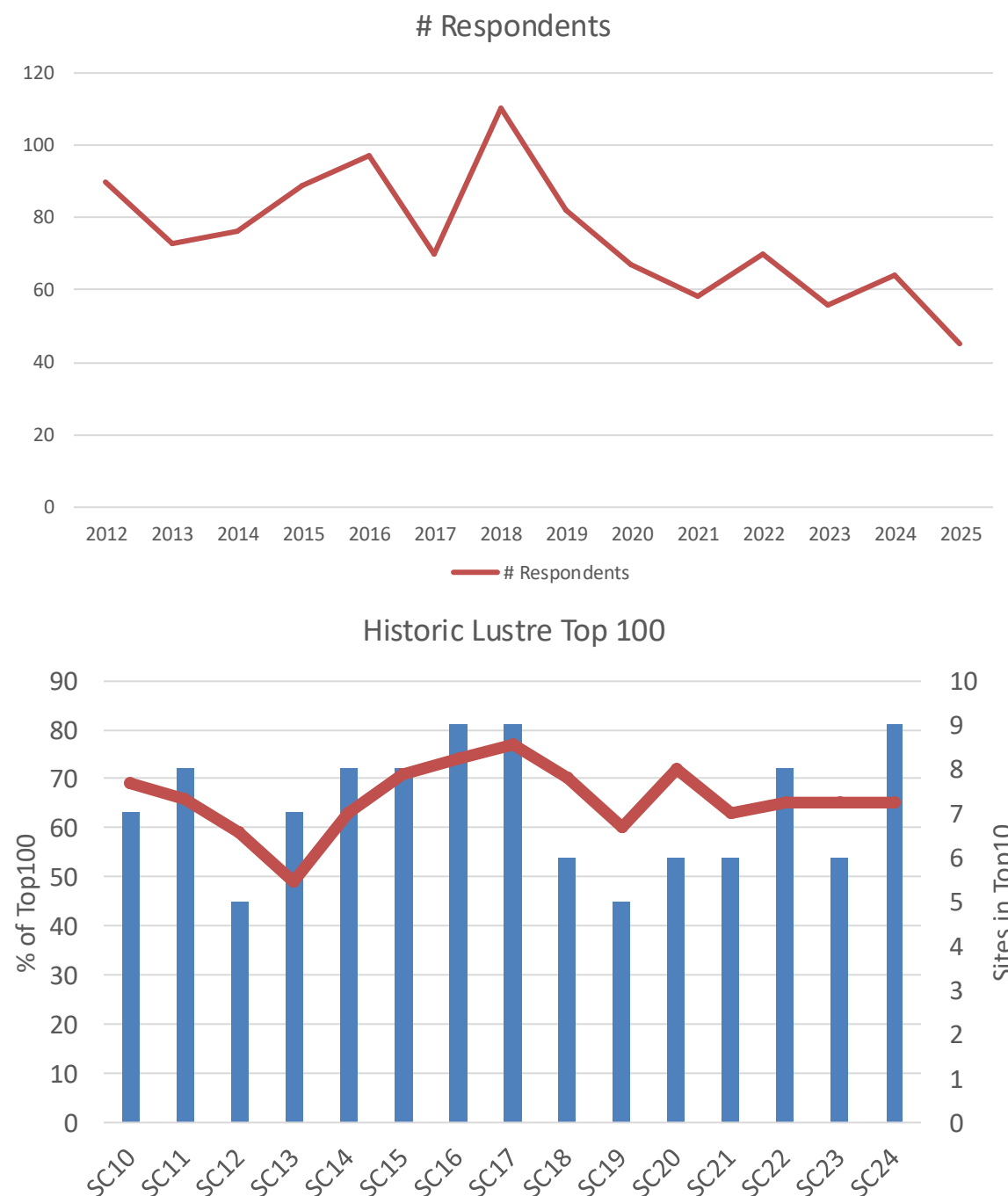
Community Release Update

September 30th 2025

Peter Jones, Whamcloud
OpenSFS Lustre Working Group

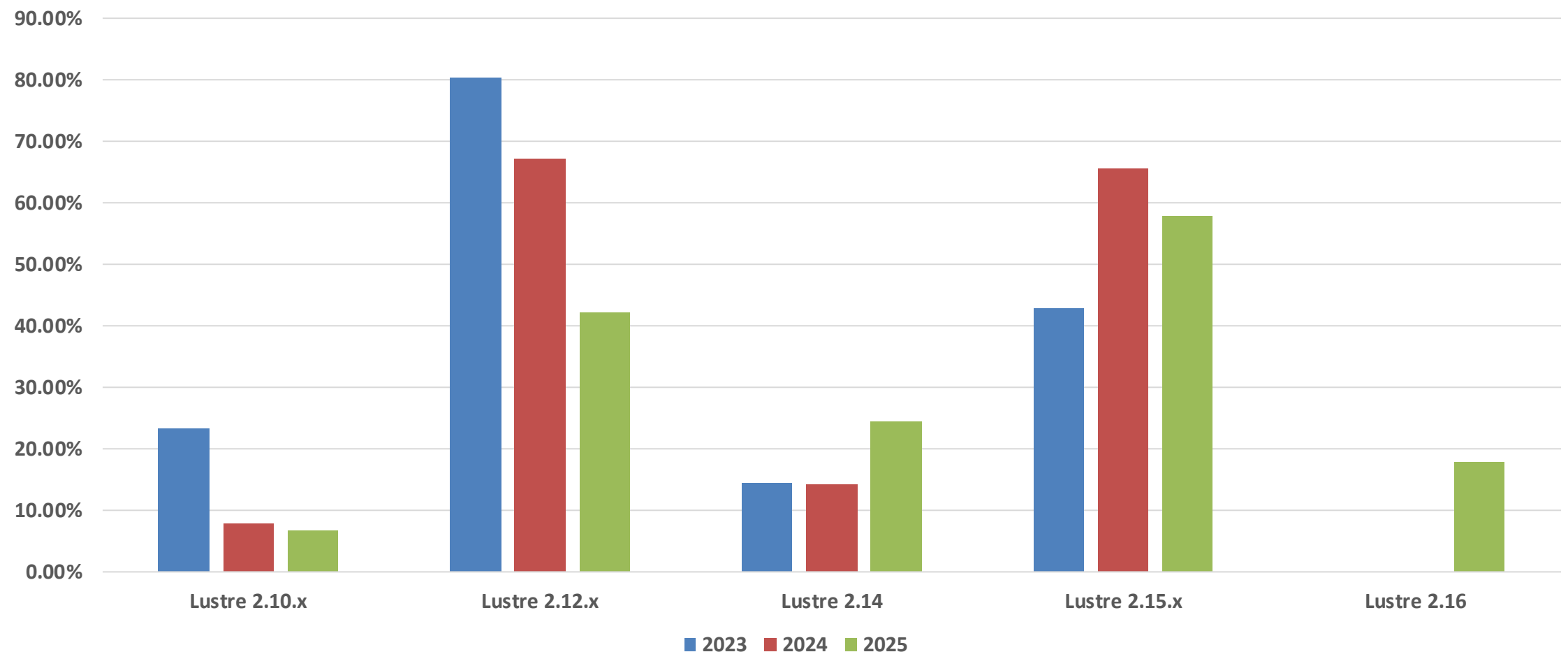
OpenSFS Lustre Working Group

- Has been operating as the forum for collaboration on the community releases for over a decade
- Led by Peter Jones (Whamcloud) and Rick Mohr (ORNL)
- All welcome to attend and/or join the mailing list
- For more information visit the wiki
- [http://wiki.opensfs.org/Lustre Working Group](http://wiki.opensfs.org/Lustre_Working_Group)
- LWG issues survey annually in March to track trends in Lustre usage
- Full details available at [http://wiki.opensfs.org/Lustre Community Survey](http://wiki.opensfs.org/Lustre_Community_Survey)



Community Survey – Lustre Versions

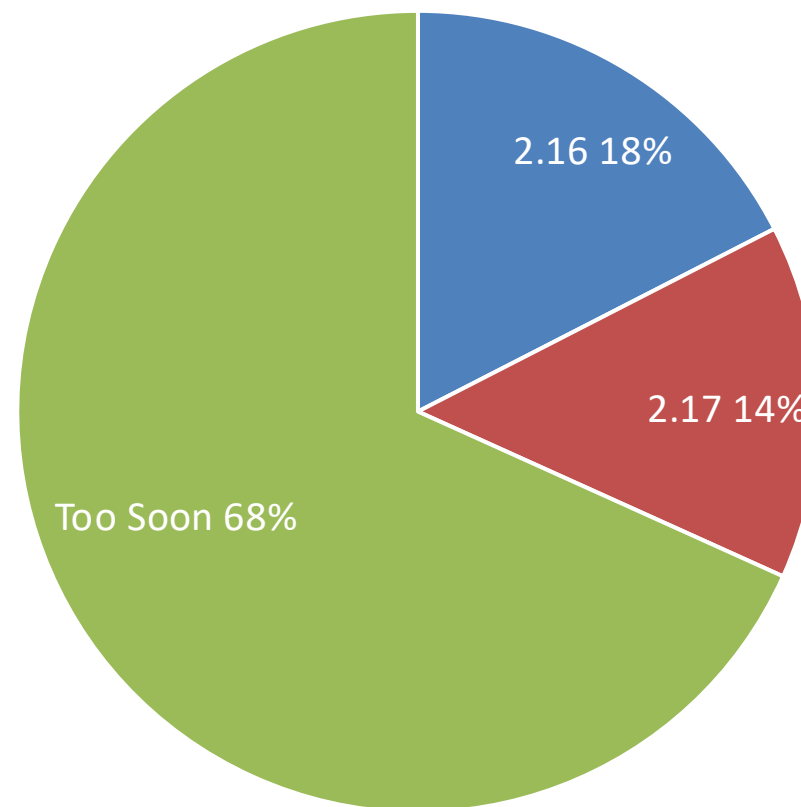
Which Lustre versions do you use in production? (select all that apply)



2.15.x most common option; still plenty of 2.12.x; 2.16 significant

Community Survey – LTS Transition

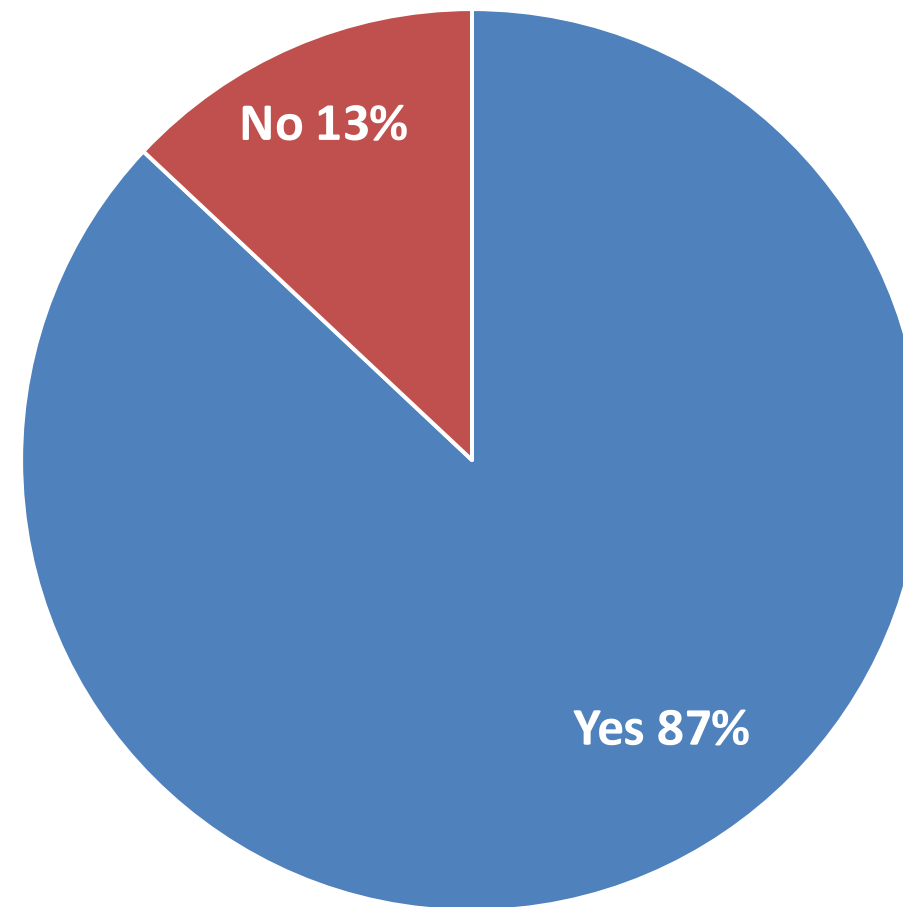
Next LTS Transition



Most sites not ready to consider moving again right now

Community Survey – Upstream Client

Beneficial for Lustre Client in Distro?



Strong interest in upstreaming efforts

Implications of Upstream Client

- Presentation at LUG suggested upstreaming efforts close to success
 - [https://wiki.lustre.org/images/4/4b/LUG2025-Lustre Upstreaming Efforts-Simmons.pdf](https://wiki.lustre.org/images/4/4b/LUG2025-Lustre_Upstreaming_Efforts-Simmons.pdf)
- Benefits
 - Easier administration
 - Advance notice of kernel changes
 - Greater diversity of kernel options
- Concerns
 - Testing!!!!
 - Pace of kernel development
 - Testing (again)!!



Picture courtesy of Tom Crowe (IU)

Lustre 2.15.x LTS

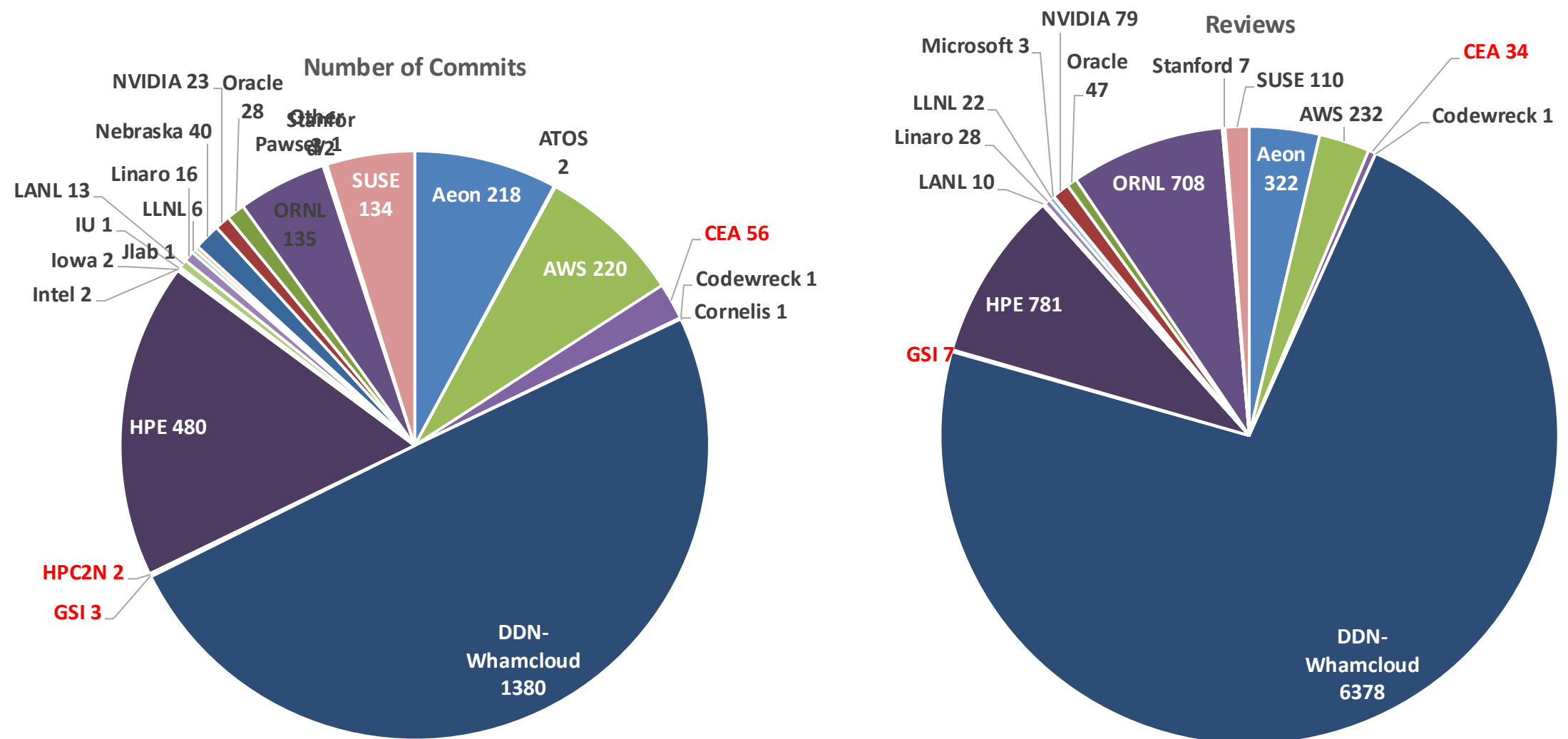
- Lustre 2.15.8 expected late Q4
 - Timeline will be driven by RHEL 9.7 release

LTS	GA	Changelog
2.15.0	Jun-22	http://wiki.lustre.org/Lustre_2.15.0_Changelog
2.15.1	Aug-22	https://wiki.lustre.org/Lustre_2.15.1_Changelog
2.15.2	Jan-23	http://wiki.lustre.org/Lustre_2.15.2_Changelog
2.15.3	Jun-23	http://wiki.lustre.org/Lustre_2.15.3_Changelog
2.15.4	Dec-23	https://wiki.lustre.org/Lustre_2.15.4_Changelog
2.15.5	Jun-24	https://wiki.lustre.org/Lustre_2.15.5_Changelog
2.15.6	Dec-24	https://wiki.lustre.org/Lustre_2.15.6_Changelog
2.15.7	Jun-25	https://wiki.lustre.org/Lustre_2.15.7_Changelog Jun

Lustre 2.16

- 2.16.0 GA Nov 8th
 - http://wiki.lustre.org/Release_2.16.0
 - 2.16.1 fixes important bug ([LU-18435](#)) but otherwise identical
 - 2.16.x is NOT an LTS branch ☺
- RHEL 9.4 servers/clients
- SLES15 SP6/Ubuntu 24.04 clients
- Interop/upgrades from latest Lustre 2.15.x
- Features in the release
 - RHEL 9.x server support **MERGED**
 - IPv6 Support ([LU-10391](#)) **MERGED**
 - Final test framework change needed for routine automated testing
 - Optimized Directory Traversal ([LU-15975](#)) **MERGED**
 - Aka "Improved Statahead"

Lustre 2.16 – Contribution statistics



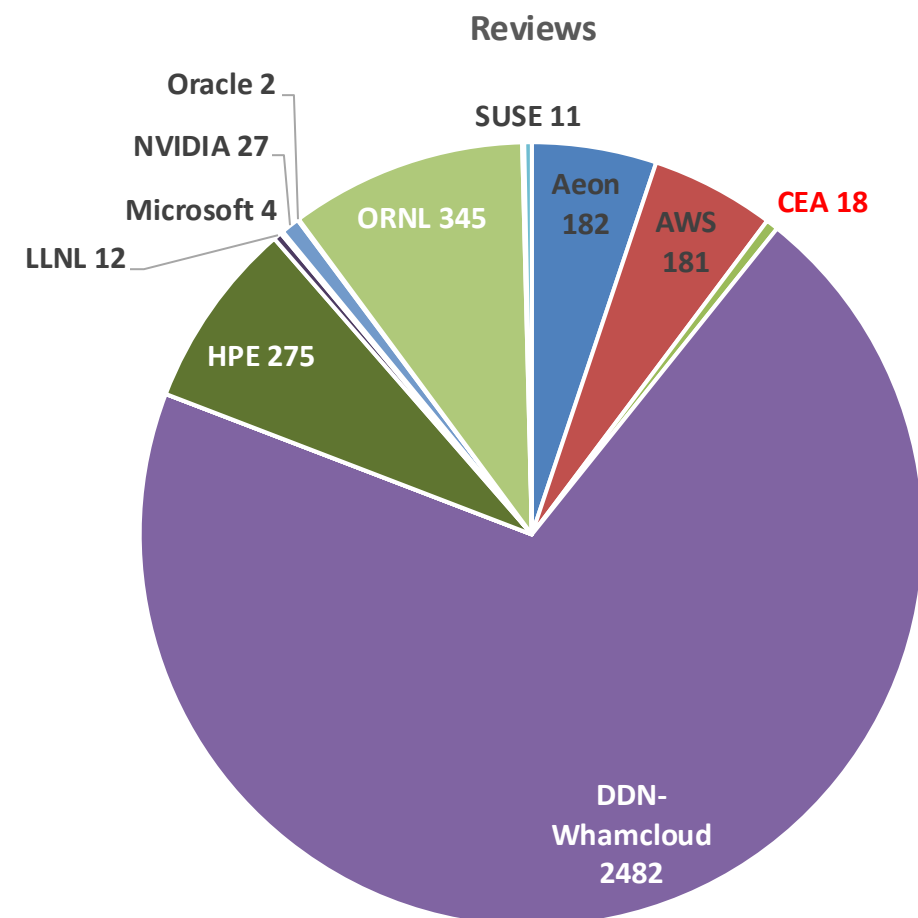
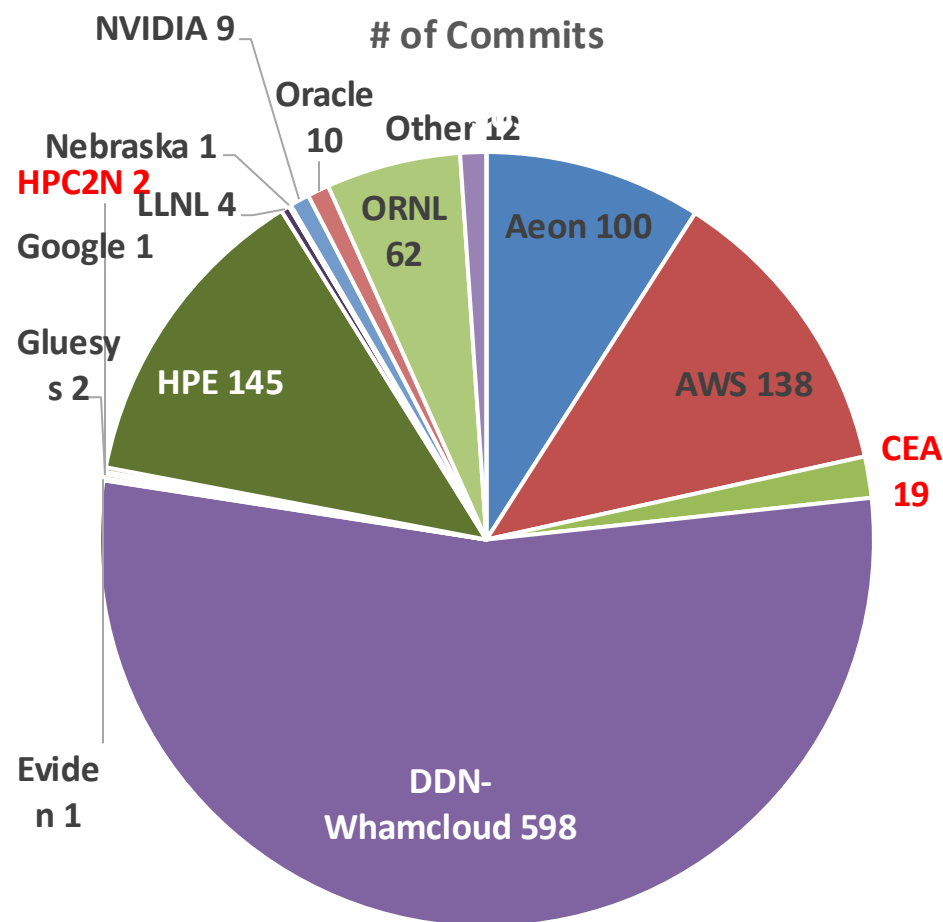
Data courtesy of Dustin Leverman/Rick Mohr (ORNL) and Chris Morrone (LLNL)

Source: <https://git.whamcloud.com> 2.15.50 to 2.15.63

Lustre 2.17

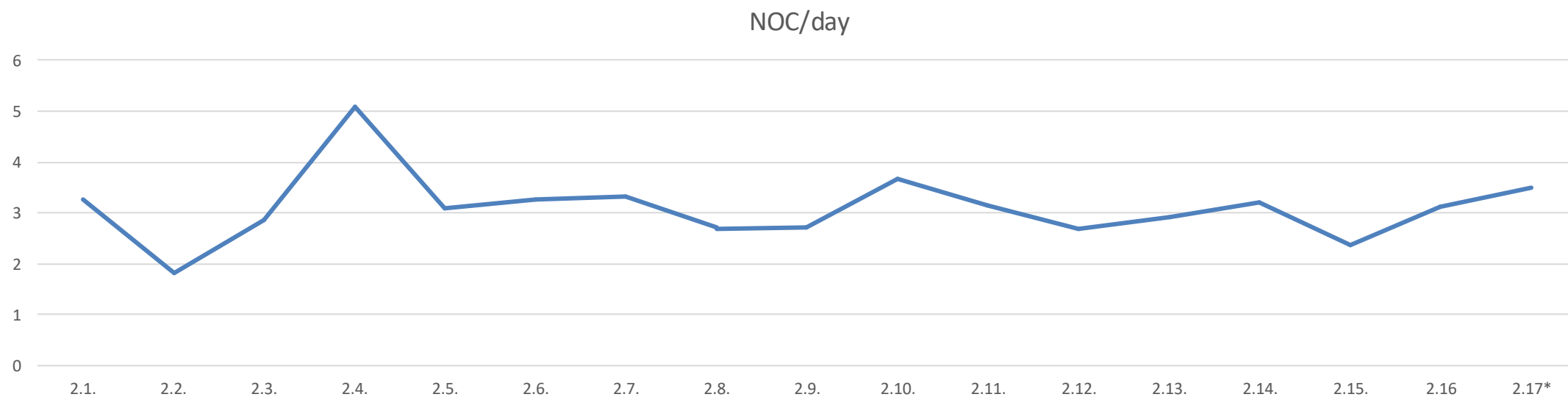
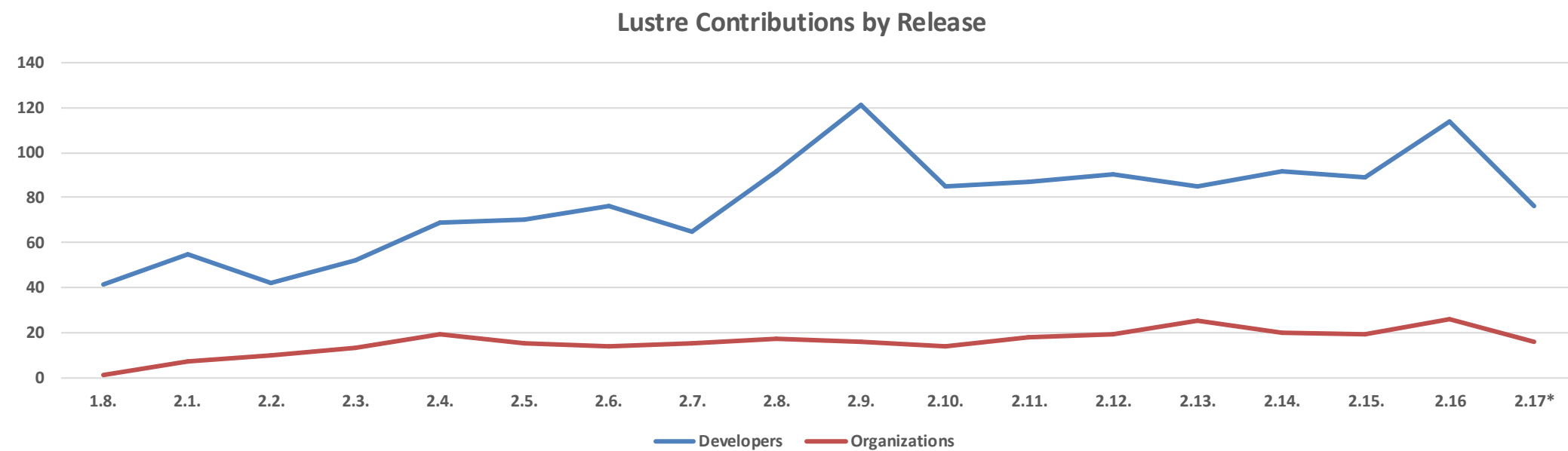
- Targeted for Q4
 - https://wiki.lustre.org/Release_2.17.0
- RHEL 9.6 servers/clients
- RHEL 10.0/SLES15 SP7/Ubuntu 24.04 clients
- Interop/upgrades from latest Lustre 2.15.x
- Features targeted for release:
 - Dynamic Nodemaps ([LU-17431](#)) COMPLETE
 - Erasure Coding ([LU-10911](#)) DEFERRED
 - Hybrid IO ([LU-18033](#)) COMPLETE

Lustre 2.17 – Contribution statistics (so far)



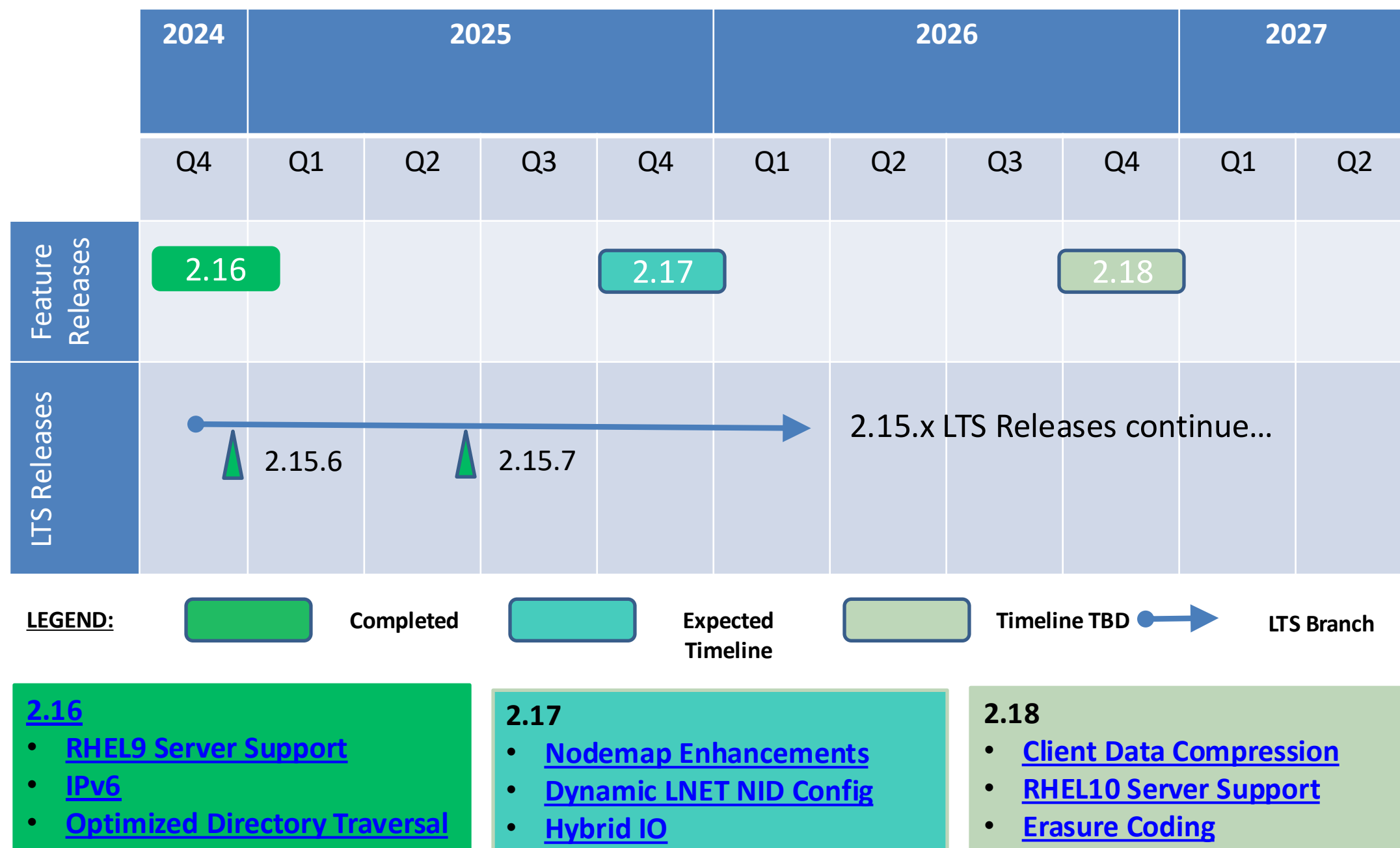
Source: <https://git.whamcloud.com> 2.16.50 to Sept 21st

Contributions - Historical Comparisons



Source: <https://git.whamcloud.com>

Lustre Community Roadmap



* Estimates are not commitments and are provided for informational purposes only

* Fuller details of features in development are available at <http://wiki.lustre.org/Projects>

OpenSFS Documentation Working Group

- Led by Ellis Wilson (Microsoft)
- All welcome to attend and/or join the mailing list
- https://wiki.opensfs.org/Documentation_Working_Group
- Looking into improving:
 - Lustre manual
 - Lustre.org wiki
- Has a dedicated channel on the [Lustre Slack instance](#)



LUG Developer Day

- LUG Developer Day takes place either before or after the main conference
- Provides in-person time between developers from different organizations to work through development issues
- Mix of discussion and coding activities
- 14 organizations represented
- Mix of experience levels – goal is to broaden the development community
- Presentations available on Lustre wiki
 - https://wiki.lustre.org/Developer_Day_2025-04-03



LUG25 Developer Day

Summary

- Lustre 2.15.8 expected in Q4 with RHEL 9.7 client support
- Lustre 2.17.0 targeted for Q4
- LWG http://wiki.opensfs.org/Lustre_Working_Group
- Please complete OpenSFS survey in the new year!



Thank you

Open Scalable File Systems, Inc.

3855 SW 153rd Drive
Beaverton, OR 97006
Ph: 503-619-0561
Fax: 503-644-6708
admin@opensfs.org



www.opensfs.org