



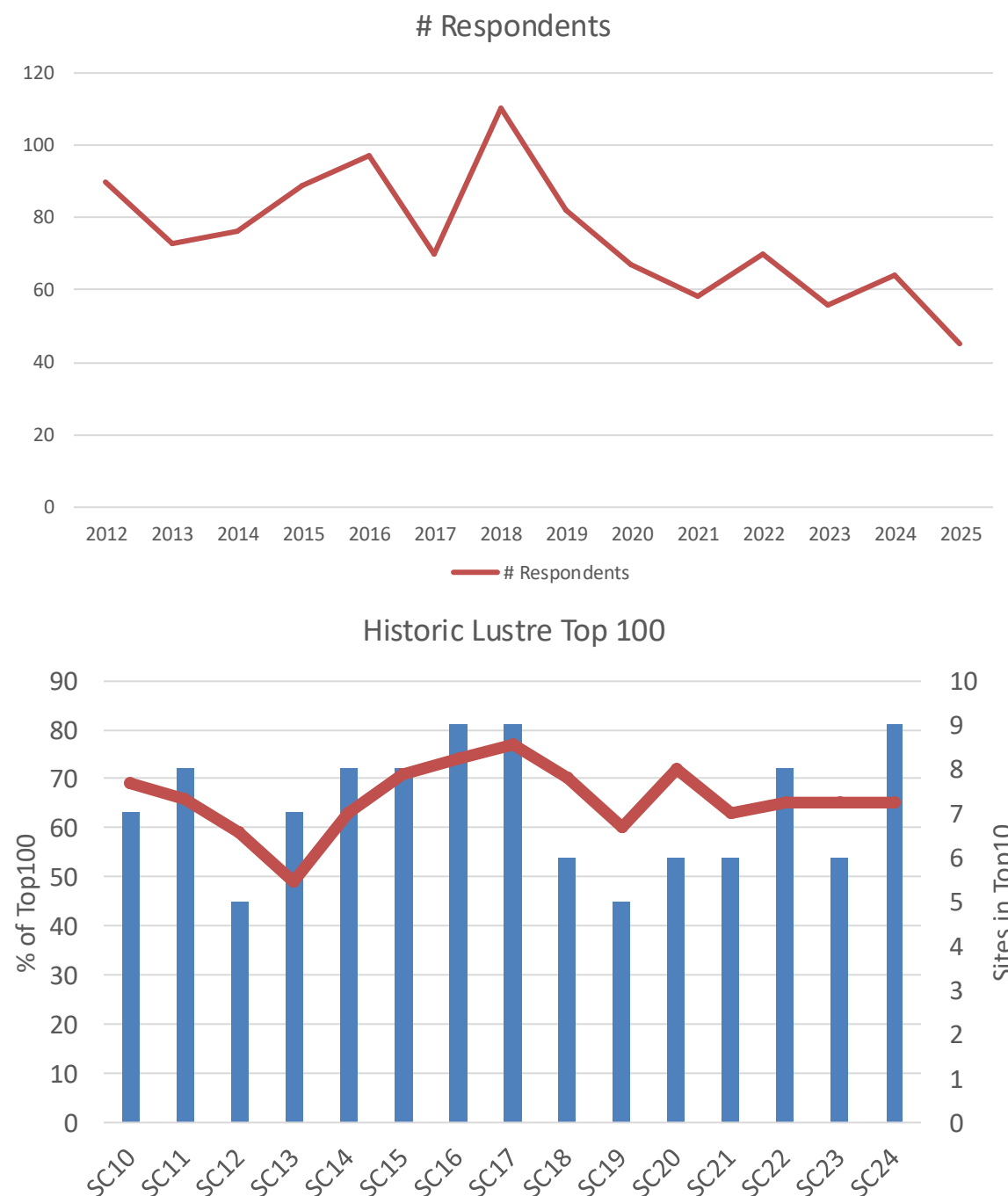
Community Release Update

April 1st 2025

Peter Jones, Whamcloud
OpenSFS Lustre Working Group

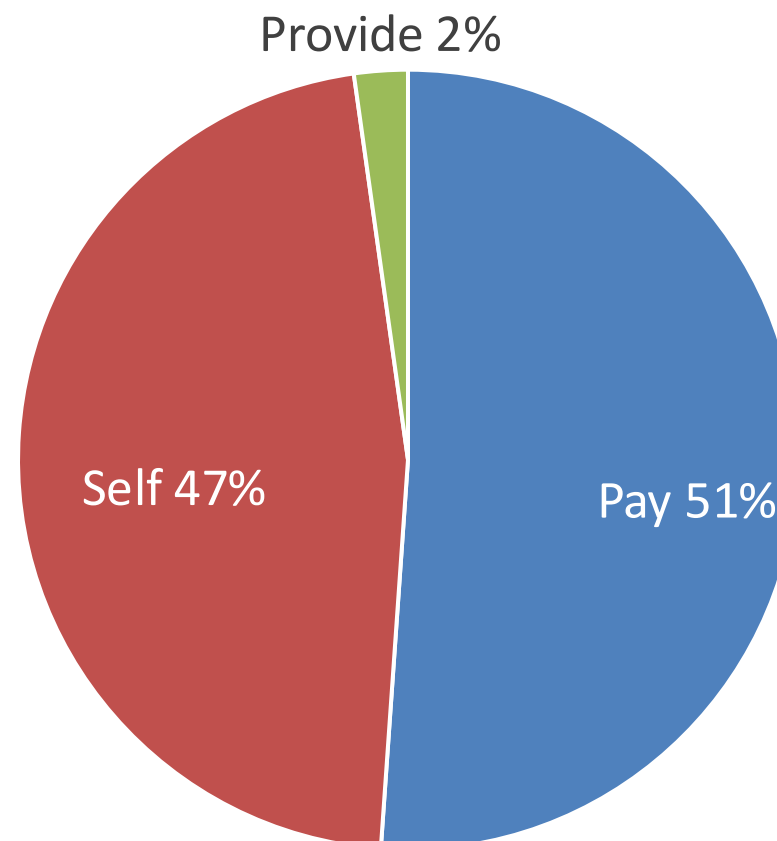
OpenSFS Lustre Working Group

- 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 – Support

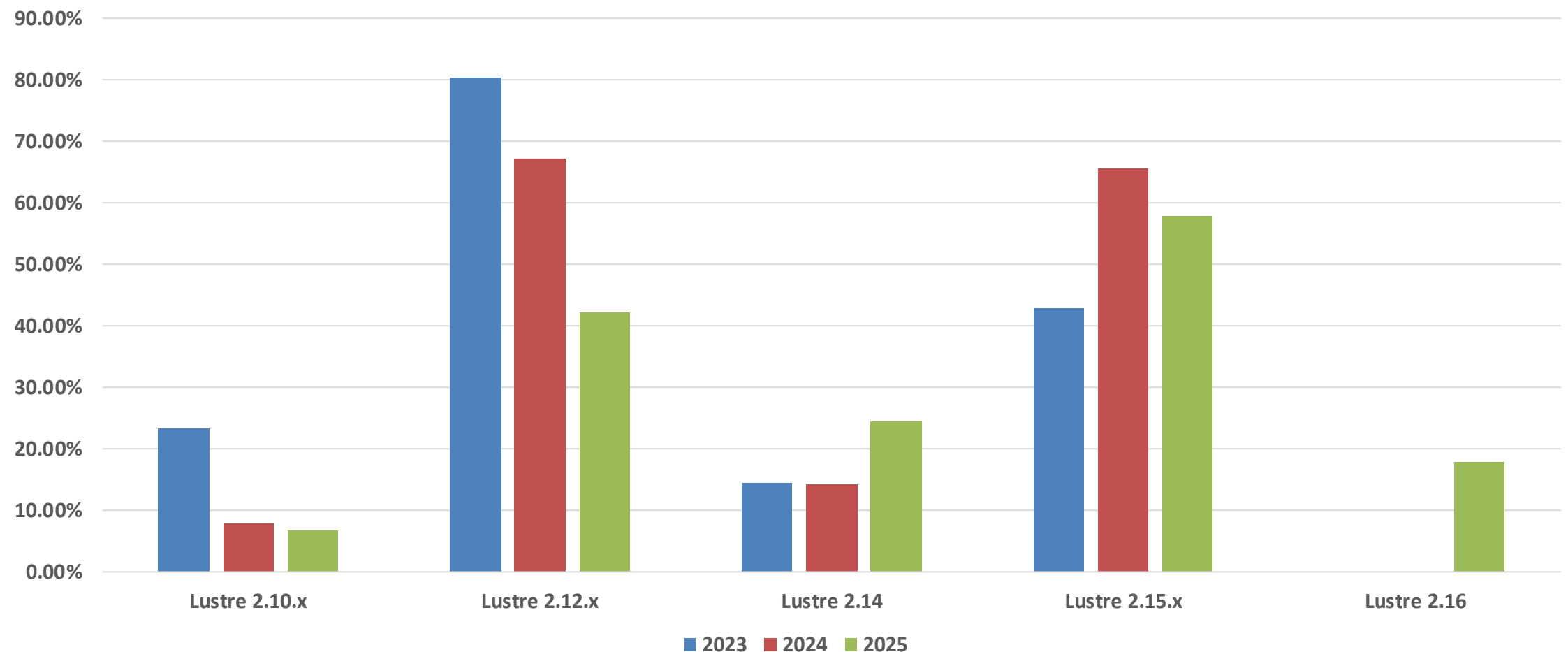
What best describes your Lustre support situation?



- Strong representation from open-source users

Community Survey – Lustre Versions

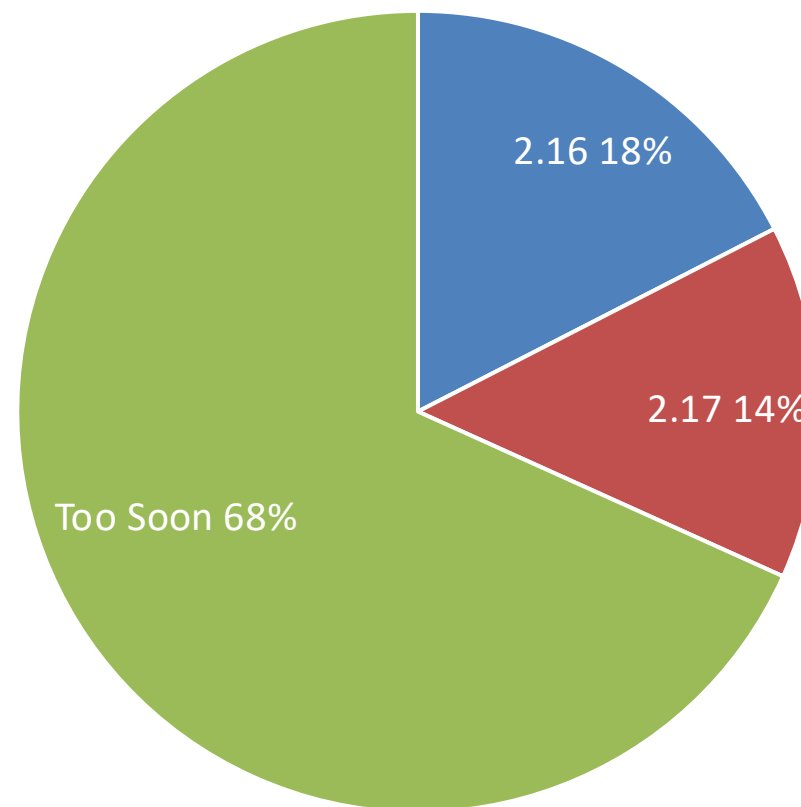
Which Lustre versions do you use in production? (select all that apply)



2.15.x now the most common option but still plenty of 2.12.x in use

Community Survey – LTS Transition

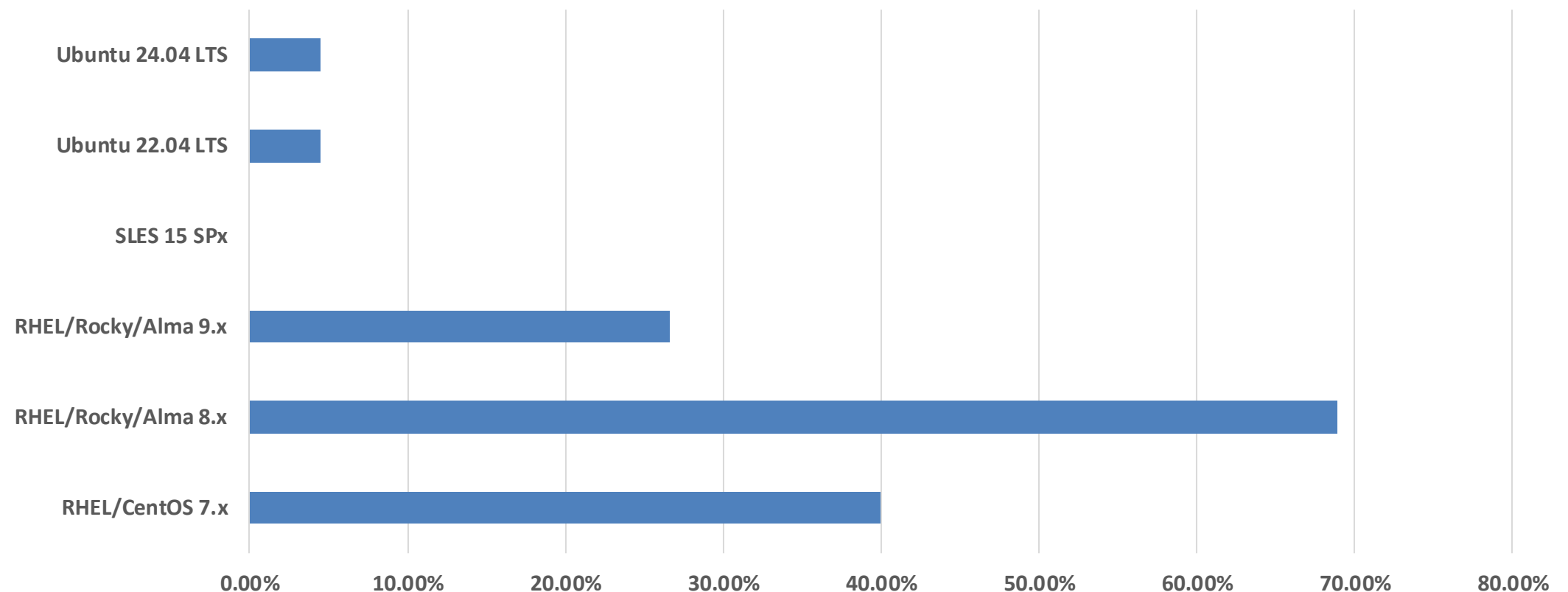
Next LTS Transition



Most sites not ready to consider moving again right now

Community Survey - Linux distros (servers)

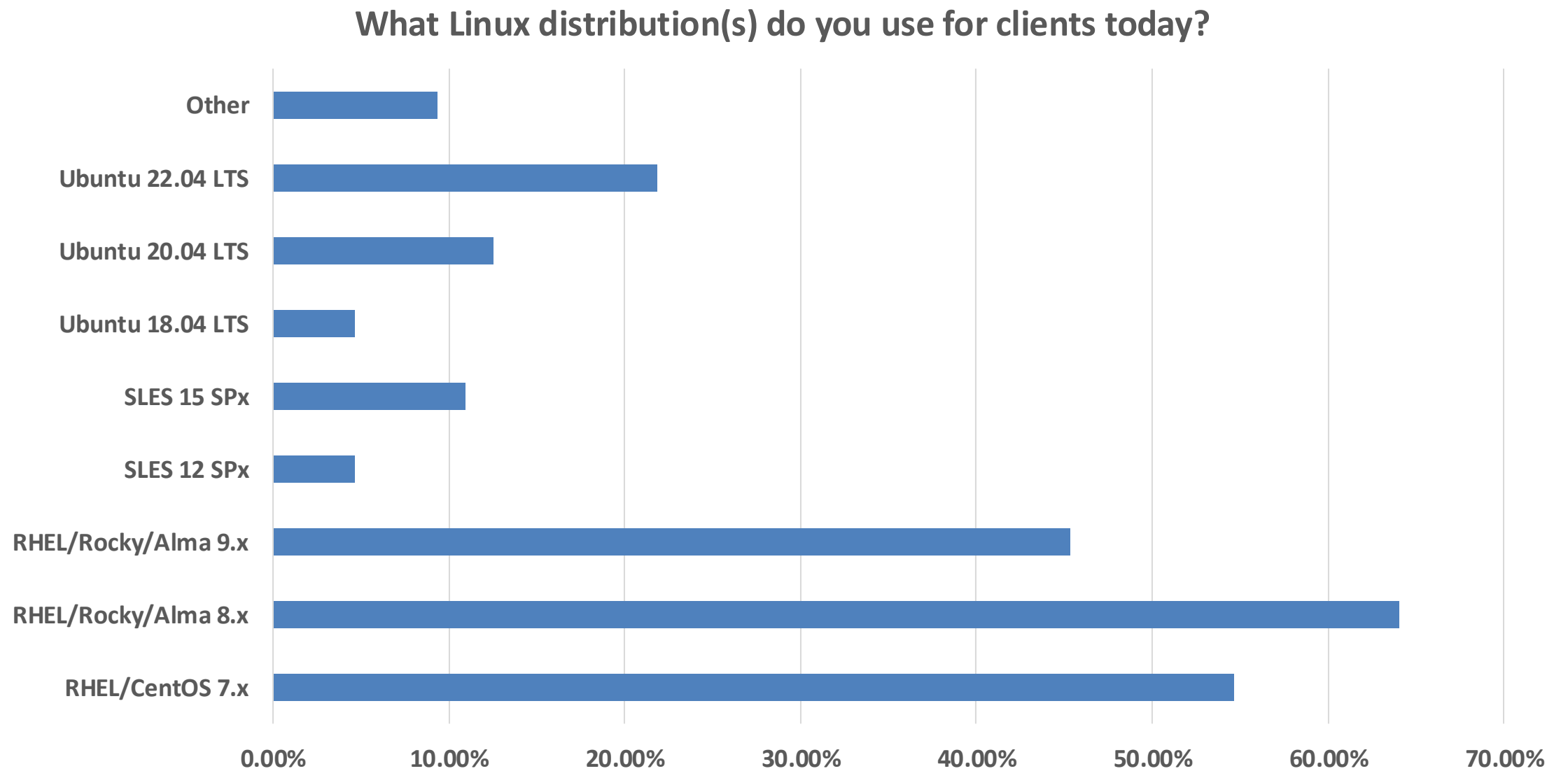
What Linux distribution(s) do you use for servers today?



RHEL 8.x servers now the clear leader

RHEL7 still second most common due to residual 2.12.x deployments

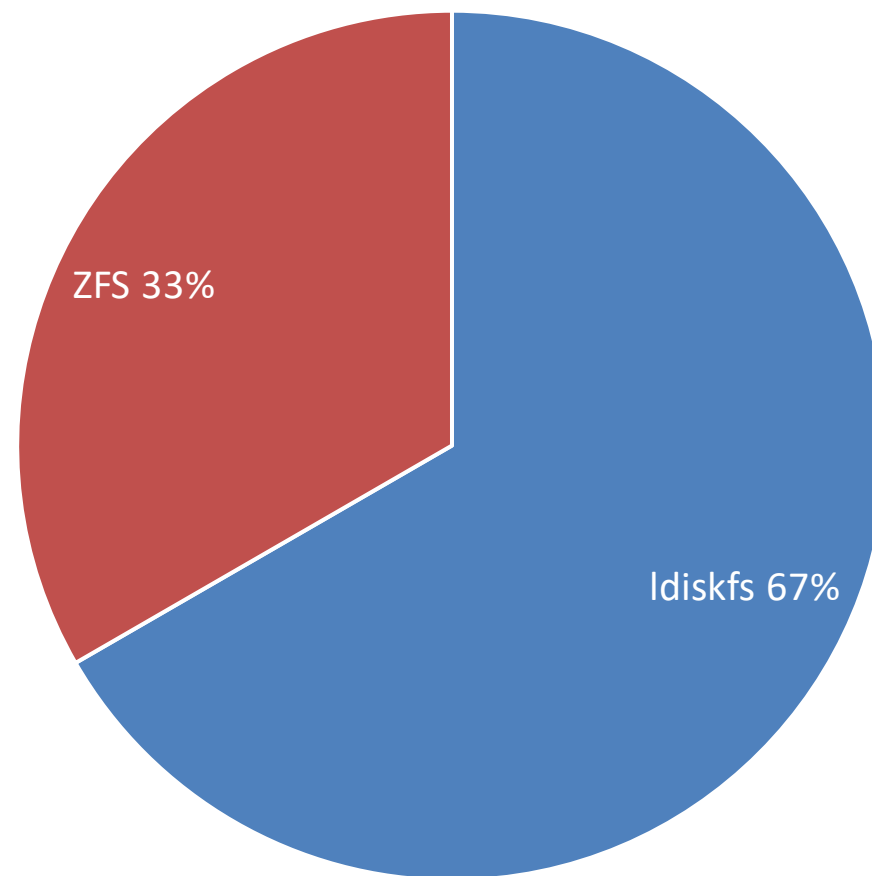
Community Survey - Linux distros (clients)



RHEL 8.x clients most common option

Community Survey – ZFS vs Idiskfs

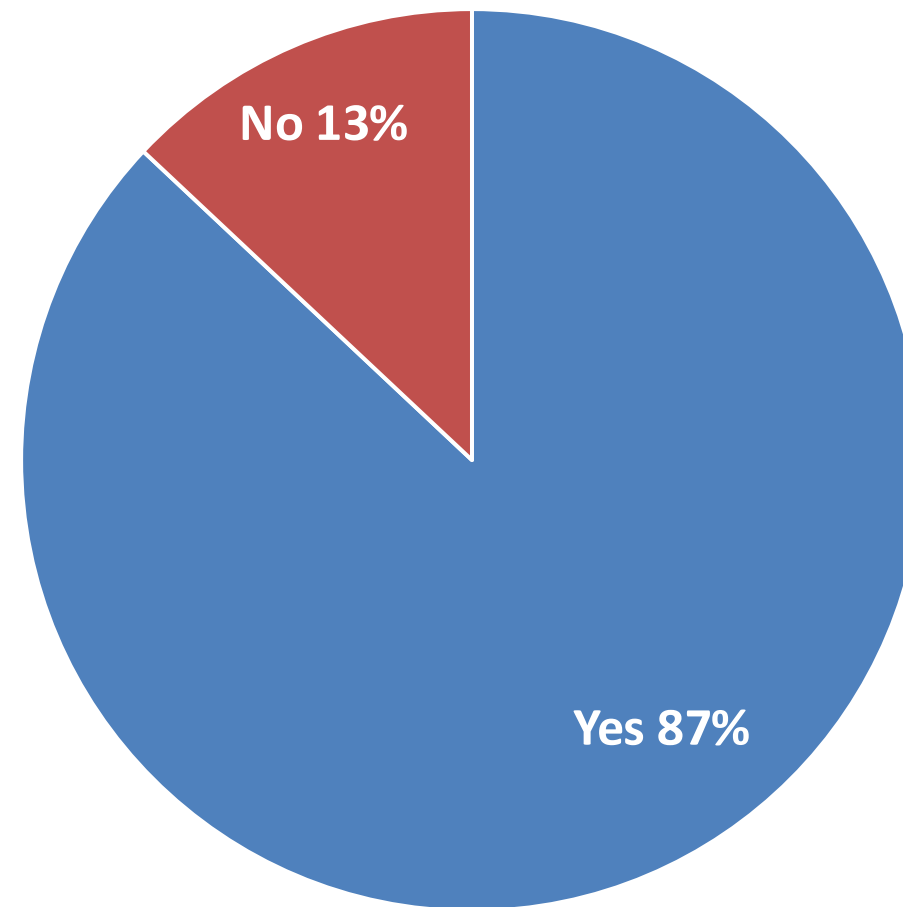
Ldiskfs vs Zfs



Both options popular but Ldiskfs remains most common option

Community Survey – Upstream Client

Beneficial for Lustre Client in Distro?



Strong interest in upstreaming efforts

Lustre 2.15.x LTS

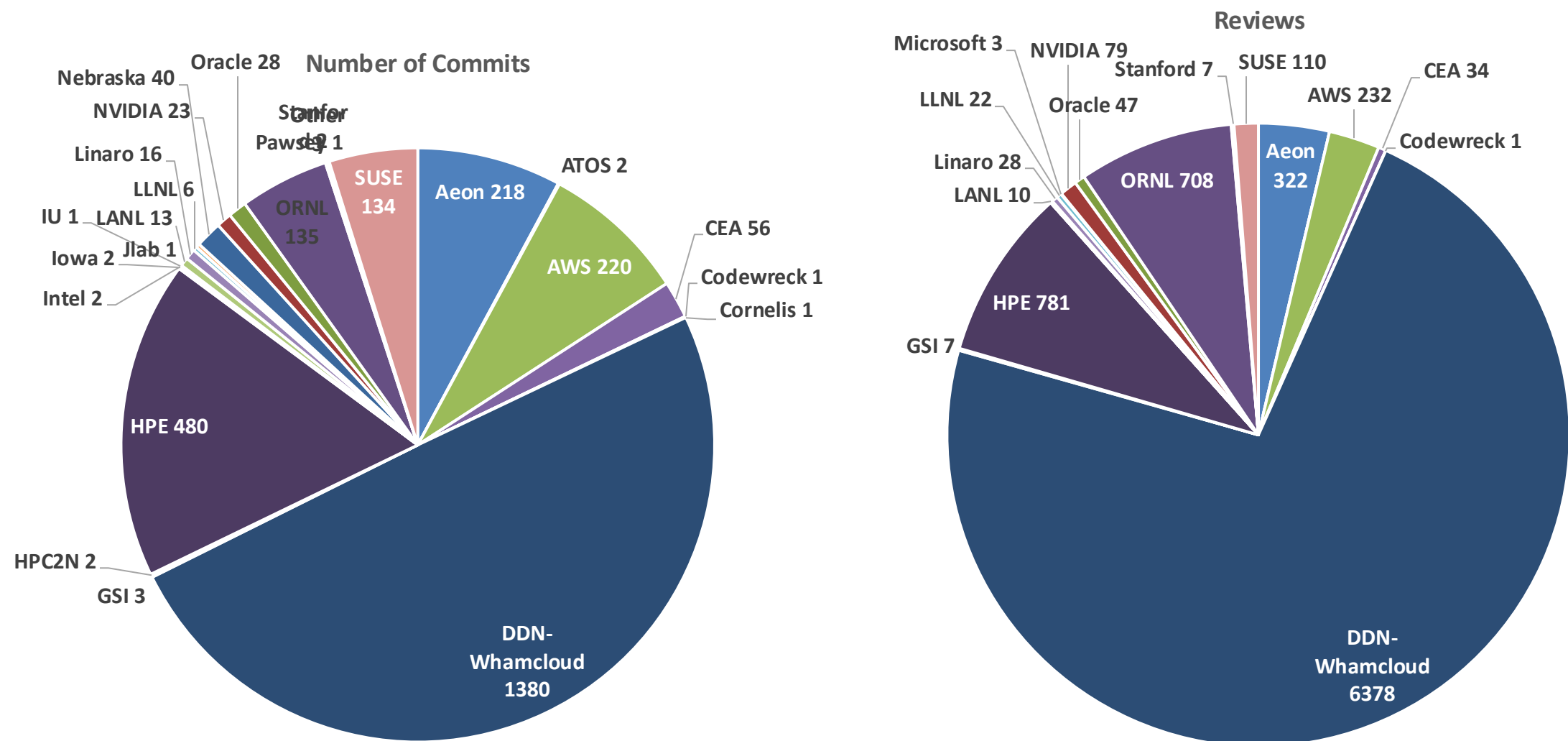
- Lustre 2.15.7 coming late Q2
 - RHEL 9.6 clients ([LU-18668](#))
 - [https://wiki.lustre.org/Lustre 2.15.7 Changelog](https://wiki.lustre.org/Lustre%202.15.7%20Changelog)

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

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 SP5/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"

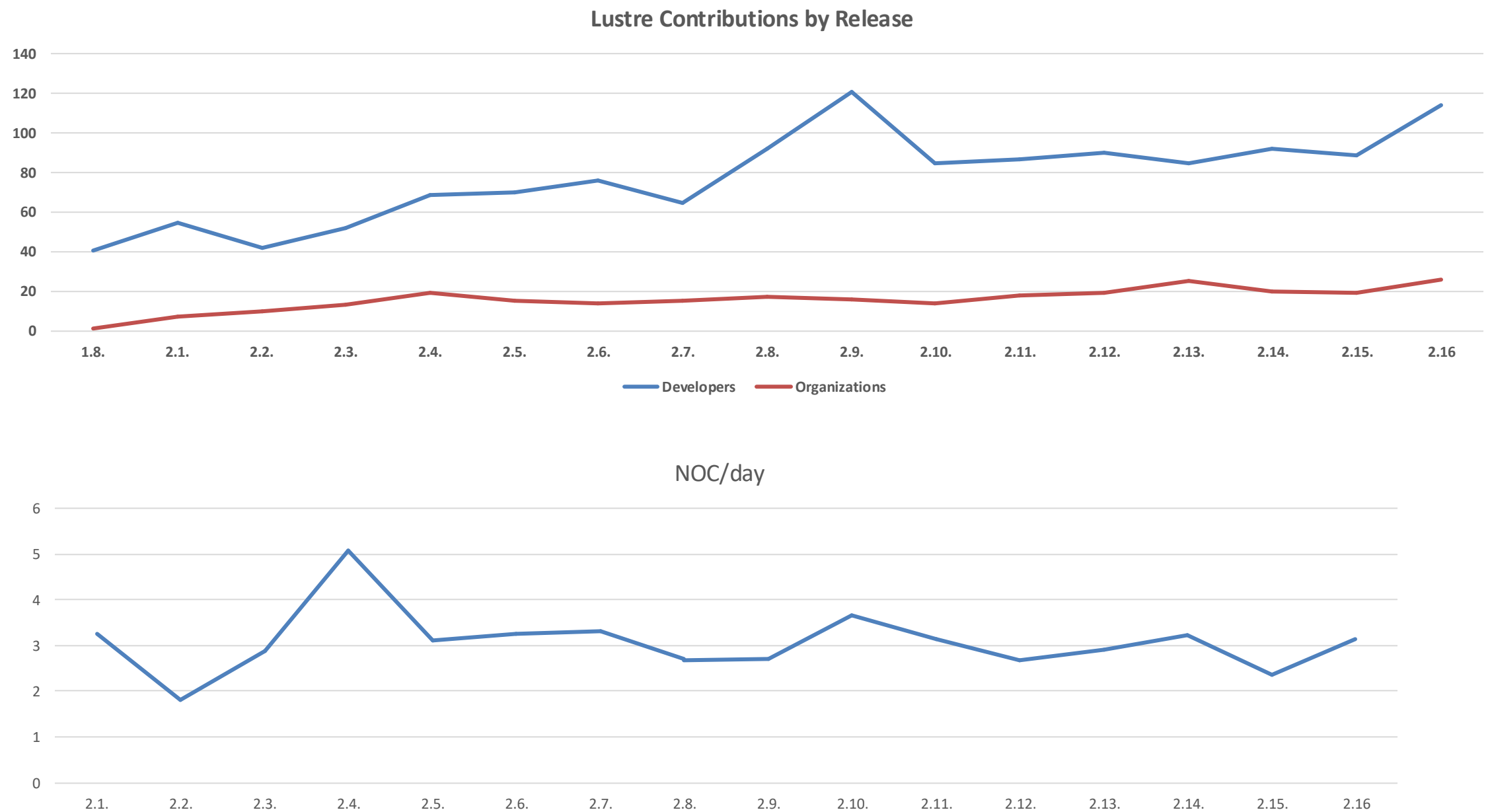
Lustre 2.16 – Contribution statistics



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 2.16 – Historical Comparisons



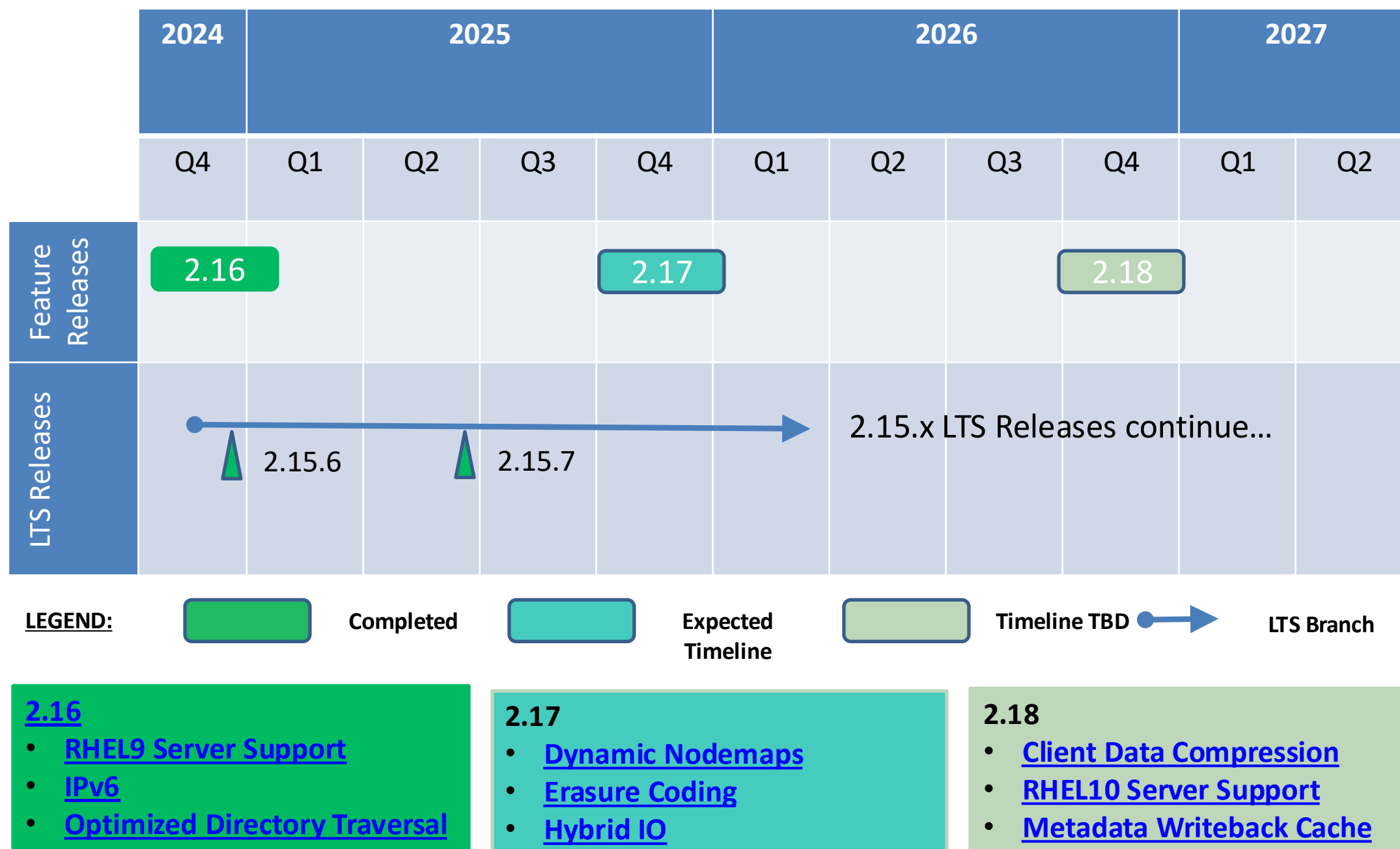
Data courtesy of Dustin Leverman (ORNL) and Chris Morrone (LLNL)

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

Lustre 2.17

- Targeted for Q4
 - https://wiki.lustre.org/Release_2.17.0
- RHEL 9.6 servers/clients
- SLES15 SP6/Ubuntu 24.04 clients
- Interop/upgrades from latest Lustre 2.15.x
- Features target for release:
 - Dynamic Nodemaps ([LU-17431](#)) ONGOING
 - Erasure Coding ([LU-10911](#)) ONGOING
 - Hybrid IO ([LU-18033](#)) ONGOING

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

- Newly-formed working group
- Led by Ellis Wilson (Microsoft)
- All welcome to attend and/or join the mailing list
- [https://wiki.opensfs.org/Documentation Working Group](https://wiki.opensfs.org/Documentation%20Working%20Group)
- 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
- This year 13 organizations represented
- Mix of experience levels – goal is to broaden the development community



LUG24 Developer Day

Summary

- Lustre 2.15.7 targeted for Q2 with RHEL 9.6 support
- Lustre 2.17.0 targeted for Q4
- LWG http://wiki.opensfs.org/Lustre_Working_Group

Thank you

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