



Lustre Releases

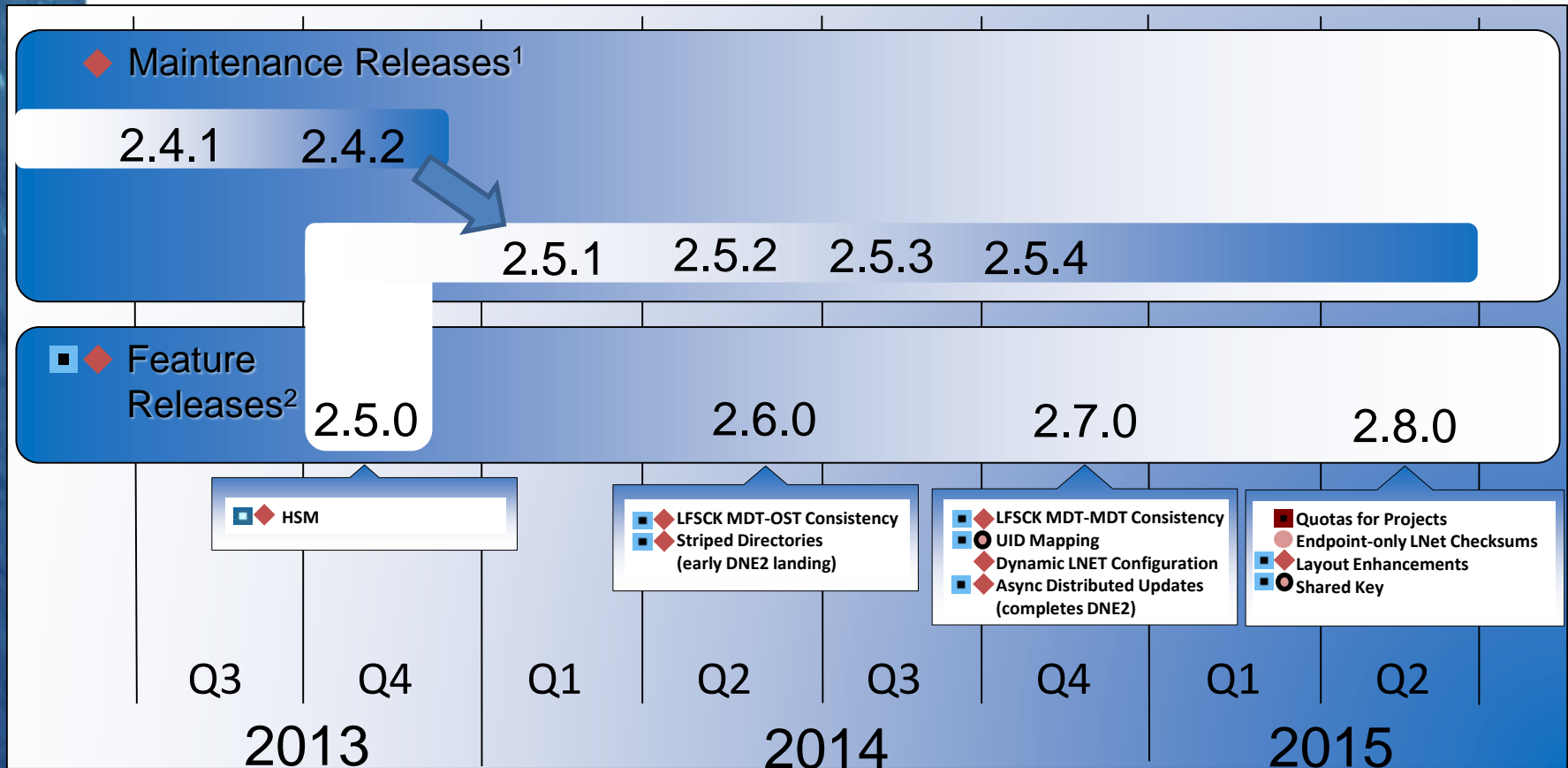
Christopher Morrone

April 8, 2014

OpenSFS Community Development Working Group

- Coordinate various organizations' development efforts
- Plan major releases
- Exchange testing results

Community Lustre Roadmap



Sponsors for Development and Releases: ORNL OpenSFS Intel
 CEA Indiana University DDN

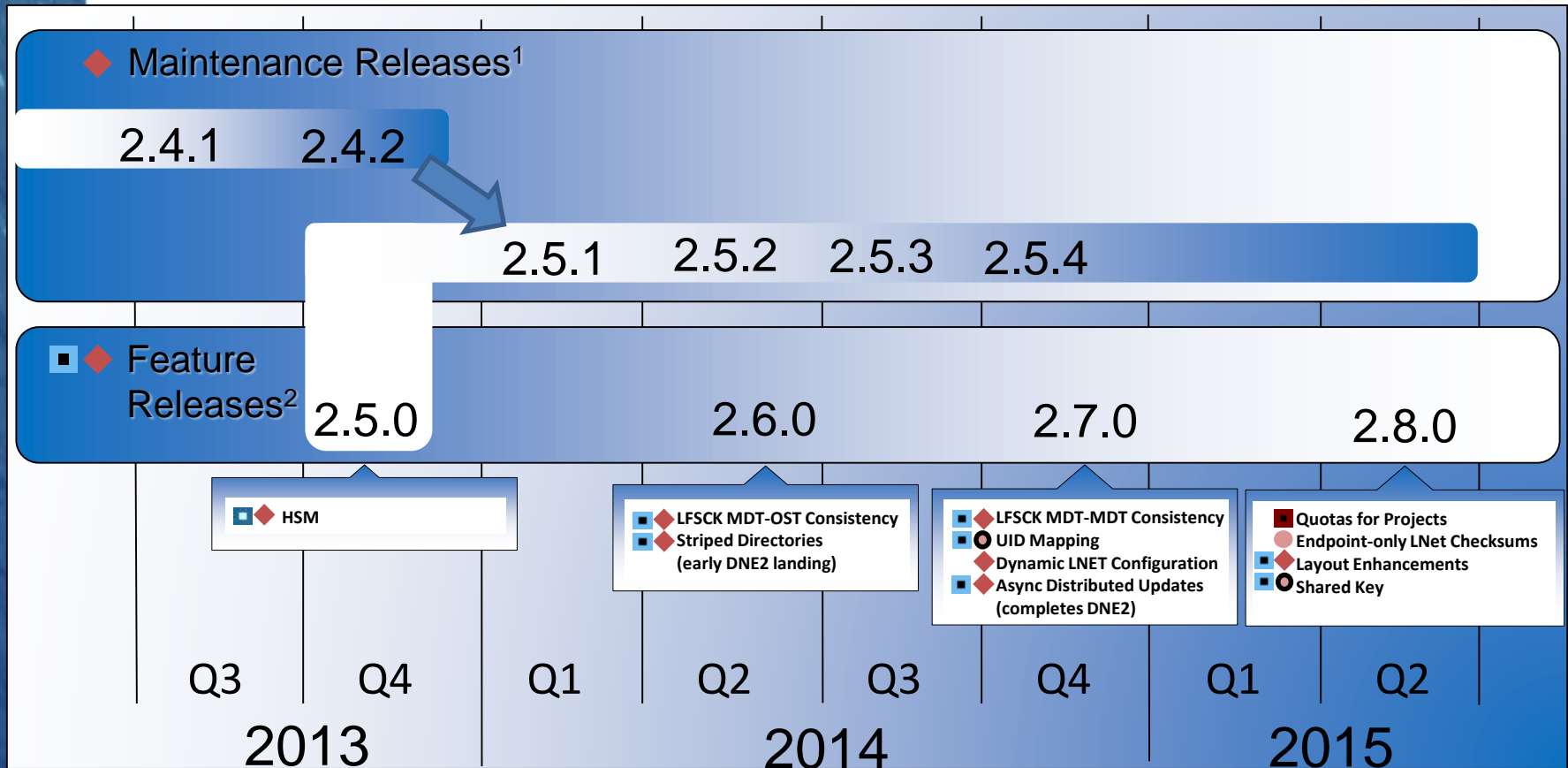
¹ Maintenance releases focus on bug fixes and stability. Updates to the current version are made at 3 month intervals. Updates to past versions will be made on an ad hoc basis.

² Feature releases focus on introducing new features. New release versions are expected at 6 month intervals. New maintenance versions from the feature release stream are anticipated at 18 month intervals.

What about Lustre Version X?

- OpenSFS focusing on current & future versions
- 1.8.X, 2.1.X – See a Lustre support vendor

Community Lustre Roadmap



Sponsors for Development and Releases:

- ORNL (red circle)
- OpenSFS (blue square)
- Intel (red diamond)
- CEA (blue square)
- Indiana University (black circle)
- DDN (red square)

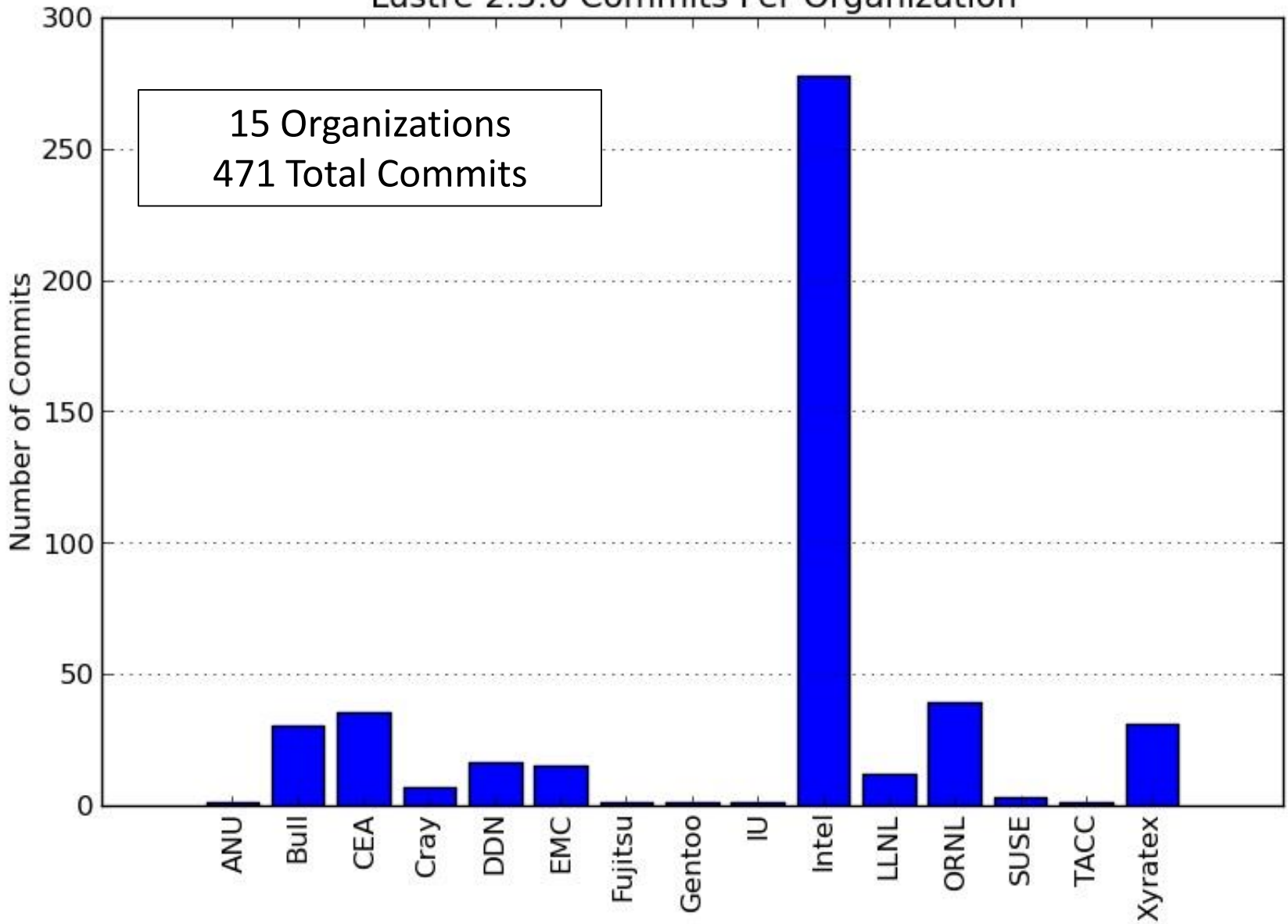
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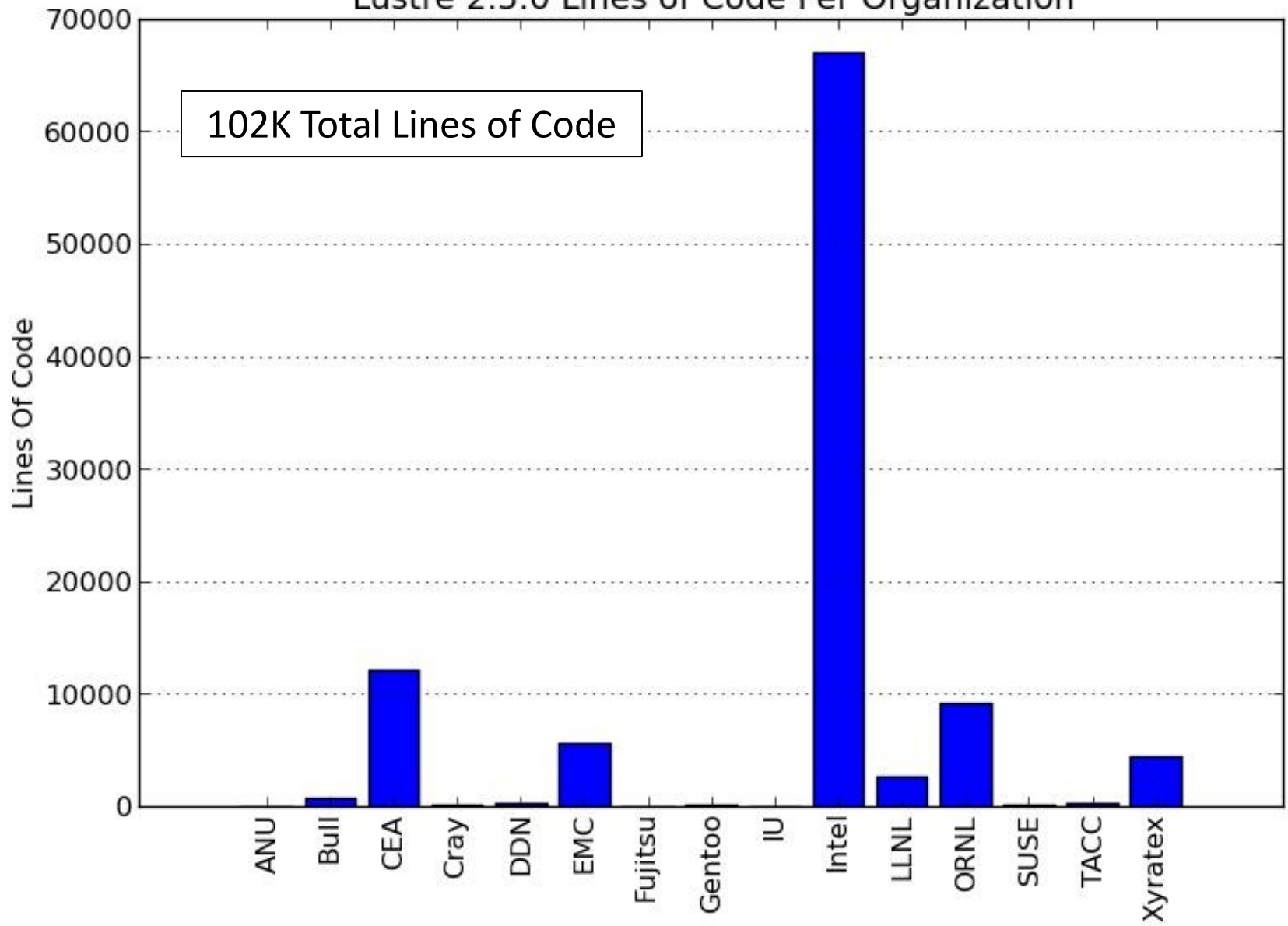
Lustre 2.5.0

- Released Oct 30, 2013
- Starts new regularly scheduled Maintenance Release Branch
 - Takes over for 2.4.X line!
- Primary new feature: Hierarchical Storage Management (HSM)

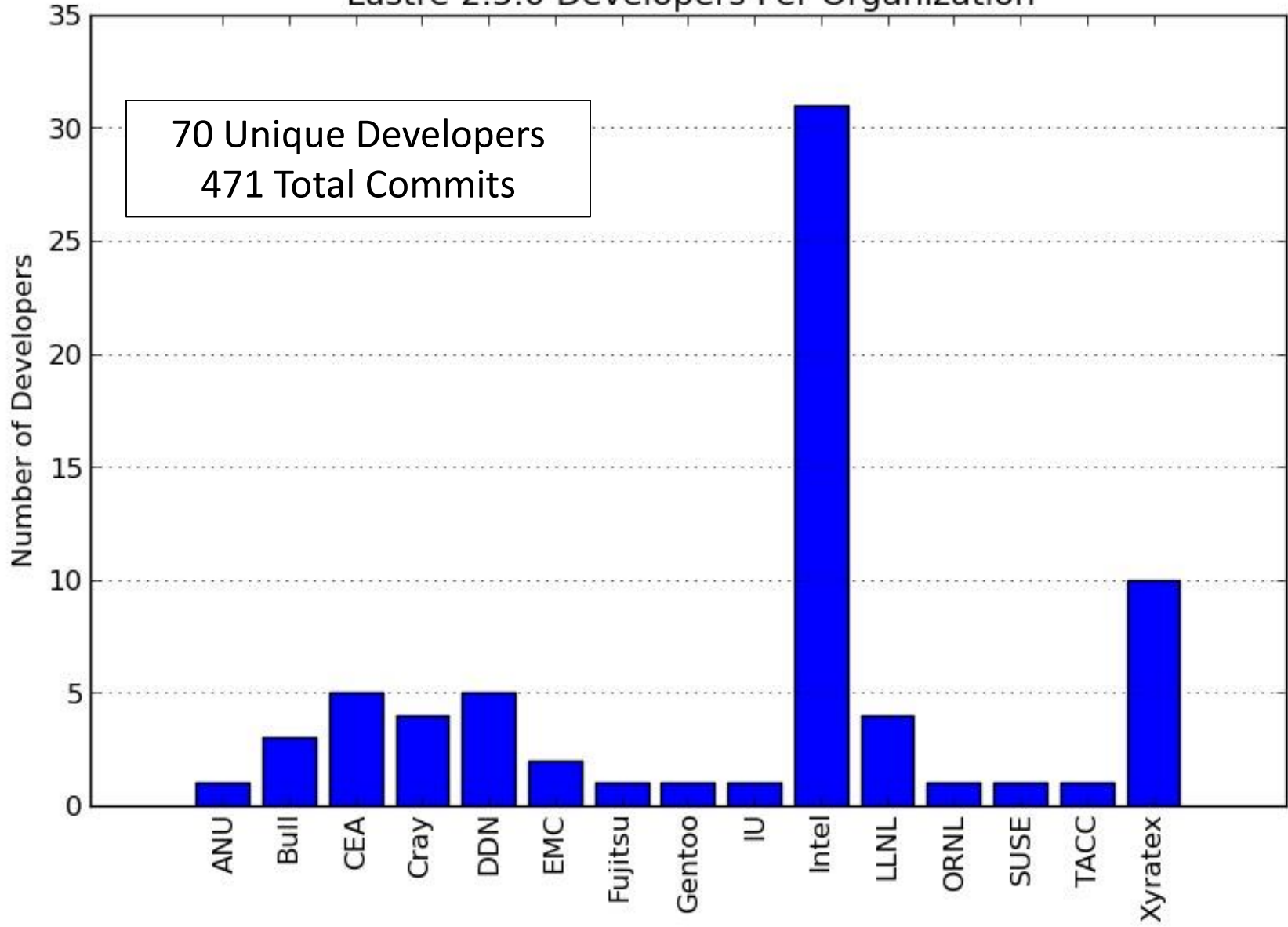
Lustre 2.5.0 Commits Per Organization



Lustre 2.5.0 Lines of Code Per Organization



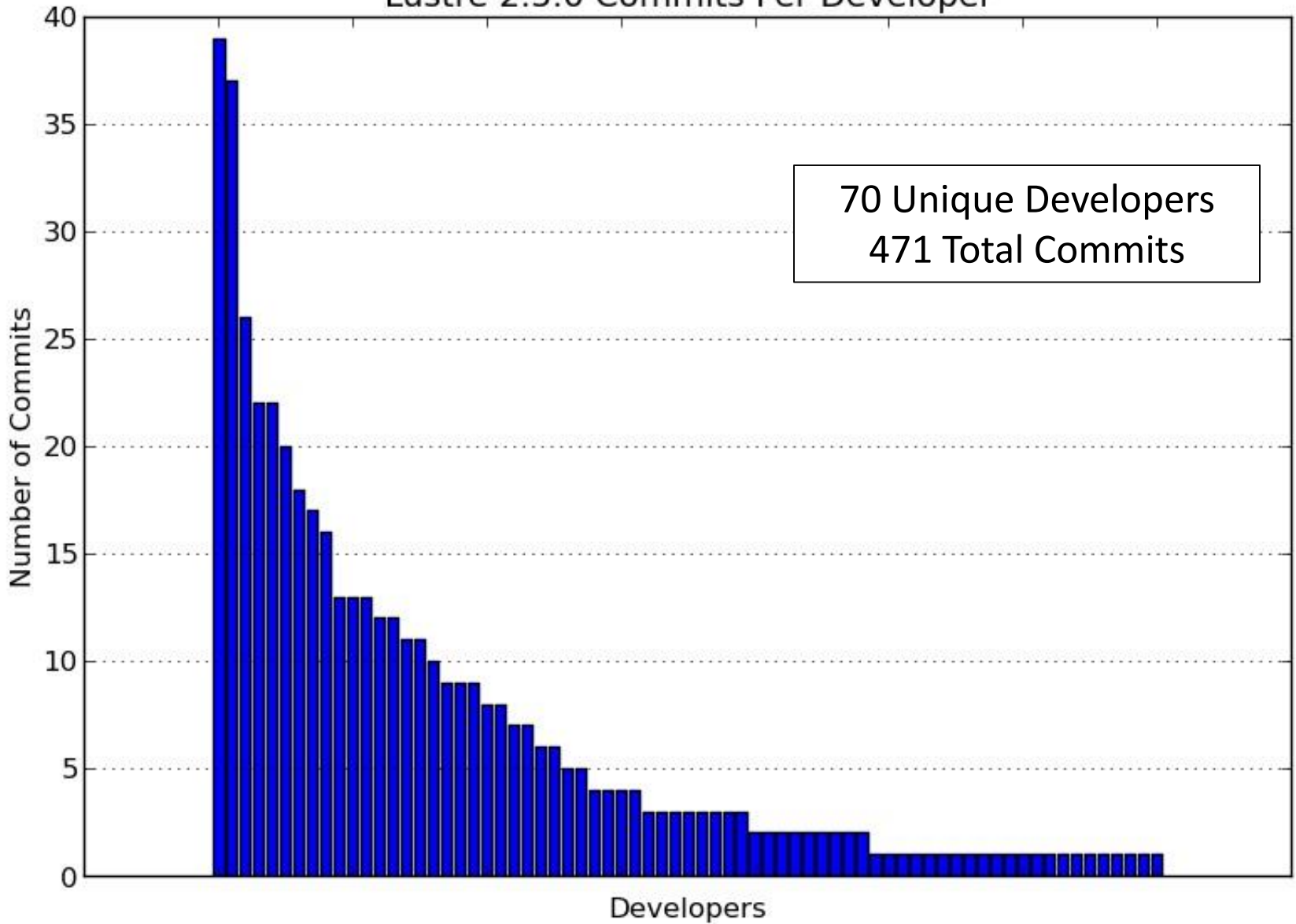
Lustre 2.5.0 Developers Per Organization



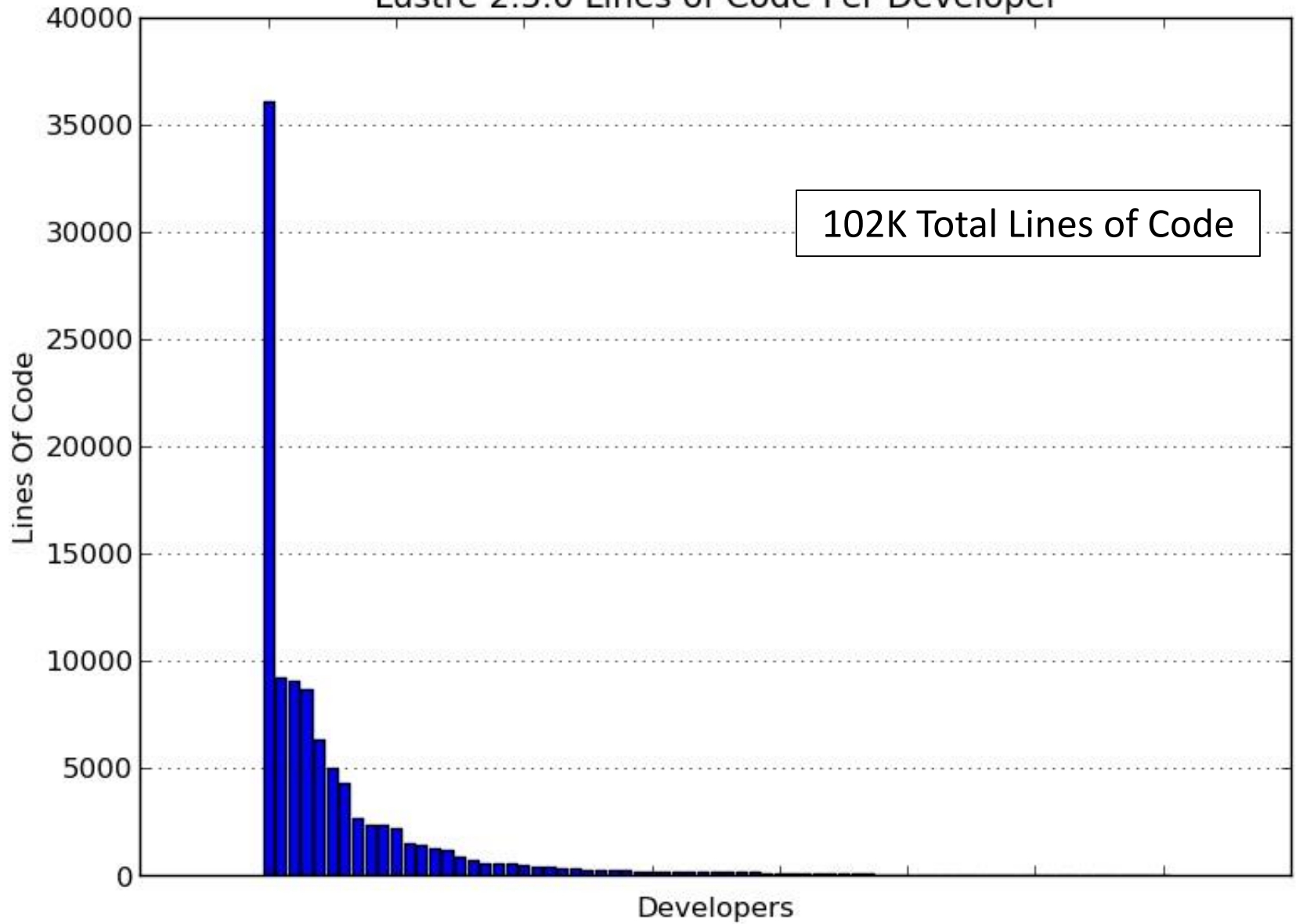
2.5.0 vs. Other Lustre Versions

Lustre Version	Commits	LOC	Developers
2.1.0	752	92K	55
2.2.0	329	58K	42
2.3.0	586	87K	52
2.4.0	1123	348K	69
2.5.0	471	102K	70
2.6.0 (Mar 28,2014)	534	94K	63

Lustre 2.5.0 Commits Per Developer



Lustre 2.5.0 Lines of Code Per Developer



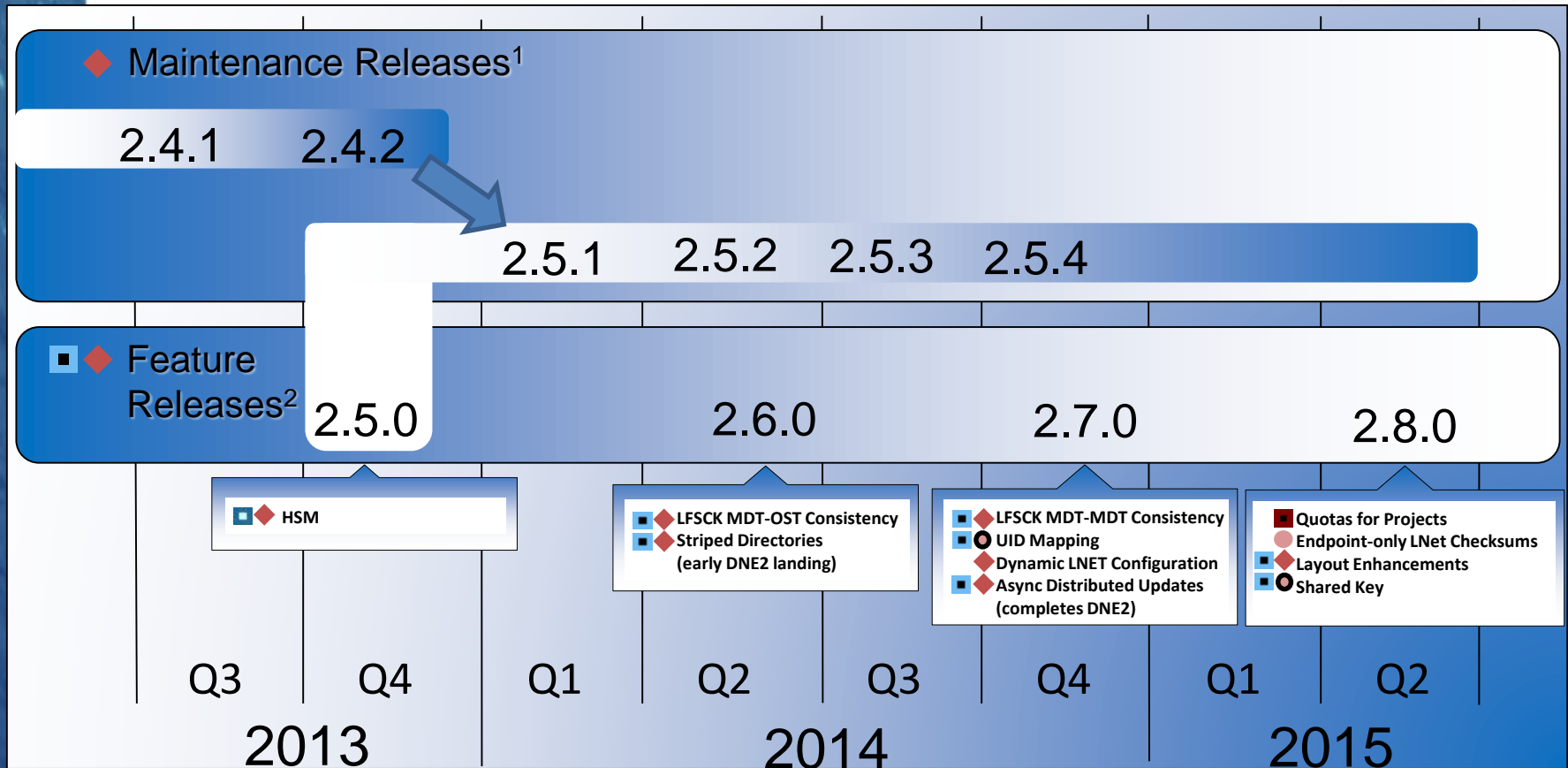
Lustre 2.6.0

- Feature freeze was February 28, 2014
- Code freeze target is April 30, 2014
- Target release date is May 31, 2014

Lustre Survey 2014

- 3rd Annual Lustre Survey
- 76 People Completed Survey
 - 73 in 2013
 - 90 in 2012
- Strong Lustre 2.4.X uptake!
 - 33 using 2.4.X
 - 29 using 2.1.X
 - 37 using 1.8.X

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More Information

- wiki.opensfs.org/CDWG
- wiki.opensfs.org/Lustre_Community_Survey
- wiki.opensfs.org/Lustre_2.6.0

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