



Community Release Update

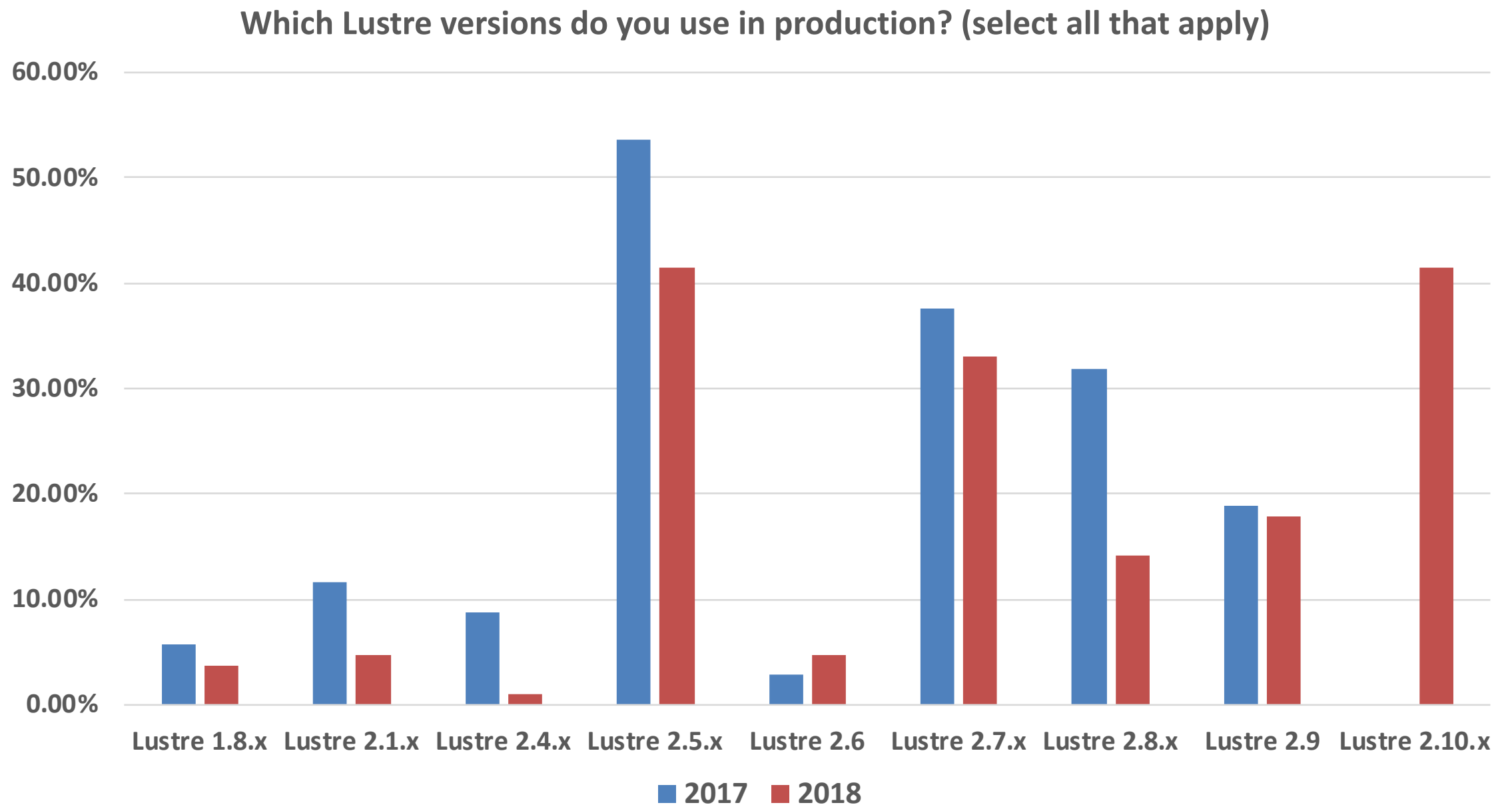
October 2018

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OpenSFS Lustre Working Group

Lustre on the Move

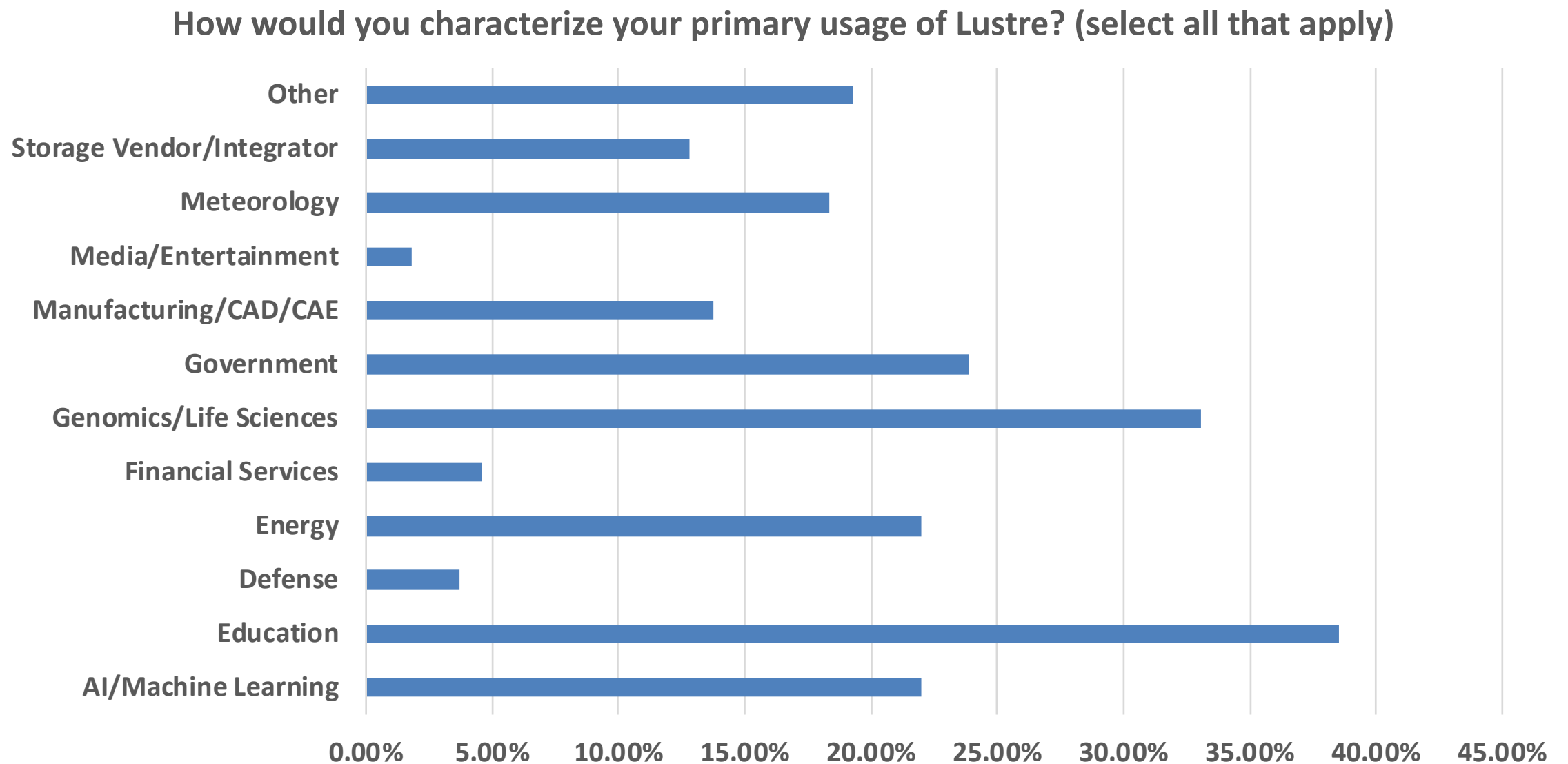
- Lustre Engineering team moved from Intel to Whamcloud
 - Whamcloud is an autonomous division of DDN
 - <http://opensfs.org/press-releases/opensfs-congratulates-ddn-on-acquiring-intels-lustre-file-system-capability/>
 - OpenSFS hosted webinar on this topic on Oct 2nd
 - <http://opensfs.org/lustre-transition-webinar/>
 - Recording of this event available at <https://youtu.be/ATg0ZvTz8fc>
 - Development and test infrastructure relocated as a result
 - Issue tracking <https://jira.whamcloud.com>
 - Patch reviews <https://review.whamcloud.com>
 - Download site <http://downloads.whamcloud.com>
 - Wiki <https://wiki.whamcloud.com>

Community Survey - Versions



- Lustre 2.10.x and 2.5.x most commonly-used version in production

Community Survey - Usage



- AI/Machine Learning much higher than anticipated
- Need to refine categories based on feedback in Other

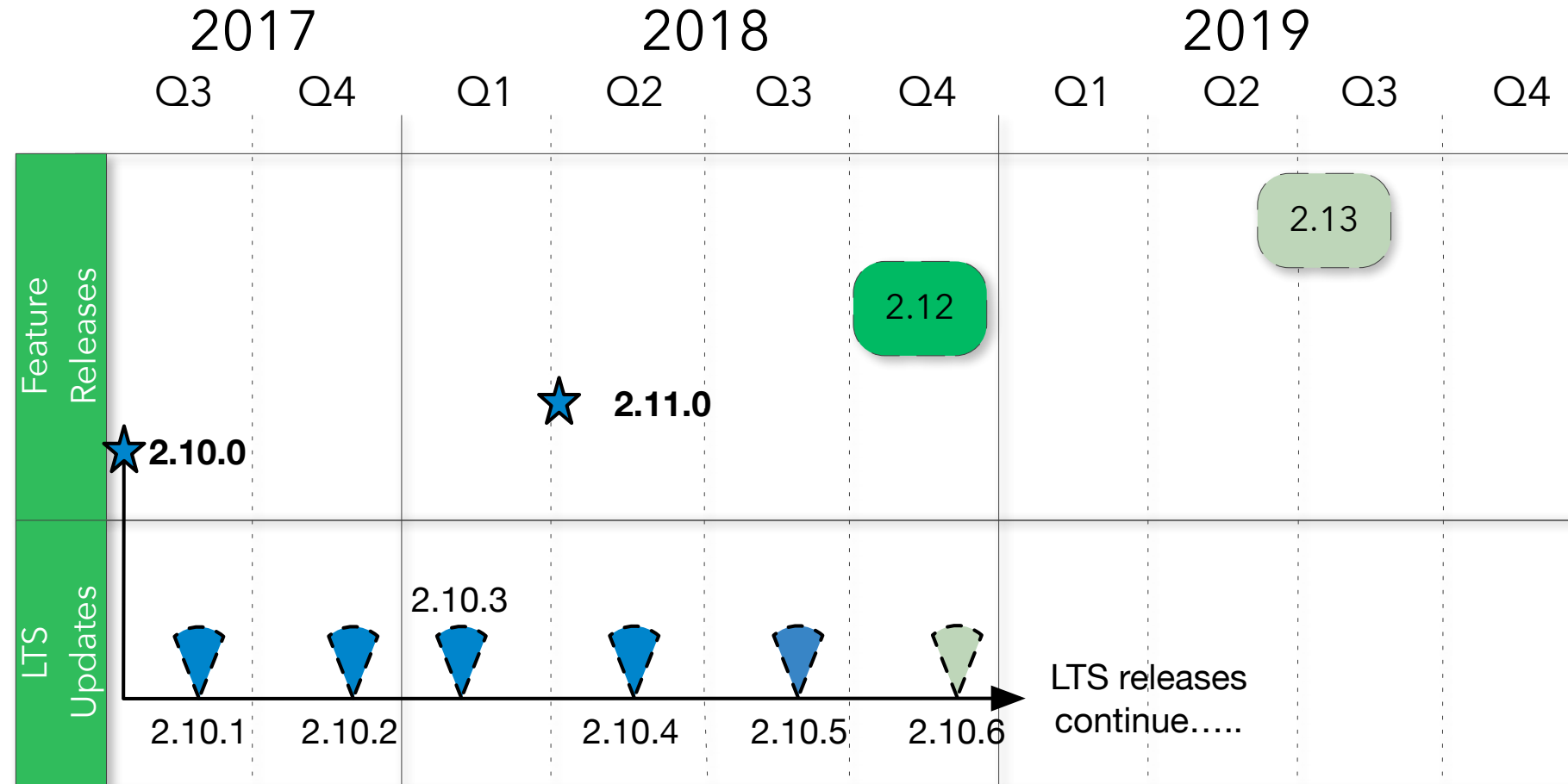
Lustre LTS Releases

- Lustre 2.10.0 went GA July 2017
 - Lustre 2.10.1 Oct 2017
 - Lustre 2.10.2 Dec 2017
 - Lustre 2.10.3 Jan 2018
 - Lustre 2.10.4 May 2018 (introduced RHEL 7.5 support)
 - Lustre 2.10.5 Aug 2018 (first release since relocation)
 - Lustre 2.10.6 expected before end of year
- LWG will decide baseline/timing of next LTS stream Q4 2018

Lustre 2.12

- Targeted for October 2018 release
 - Feature complete and in stabilization period
- Will support
 - RHEL 7.5 servers/clients
 - SLES12 SP3 clients
 - Ubuntu 18.04 clients
- Interop/upgrades from latest Lustre 2.10.x and 2.11.x servers/clients
- Several features targeted for this release
 - DNE Directory Restriping (LU-4684) **CONFIRMED**
 - LNet Network Health (LU-9120) **CONFIRMED**
 - Lazy Size on MDT (LU-9538) **CONFIRMED**
- http://wiki.lustre.org/Release_2.12.0

Lustre Community Roadmap



LEGEND:



Expected
Timeline



Timeline
TBD



Completed



LTS Branch

2.10

- ZFS Snapshots
- Multi-rail LNet
- Progressive File Layouts
- Project Quotas

2.11

- Data on MDT
- FLR Delayed Resync
- Lock Ahead

2.12

- Lazy Size on MDT
- LNet Health
- DNE Dir Restriping

2.13

- FLR Erasure Coding
- Persistent Client Cache

* 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>

IML 4.x

- IML 4.0 GA Oct 2017; latest maintenance release 4.0.8
- <https://github.com/whamcloud/integrated-manager-for-lustre/releases>
- Open source releases of IML
 - Provides intuitive browser-based administration of Lustre filesystems
 - Distributed under an MIT license
 - Compatible with Lustre 2.10.x
- Possible for sites running Intel EE 2.x and 3.x to upgrade

Summary

- Hugely productive year in terms of roadmap advancement
- Lustre 2.11 is GA; Lustre 2.12 in final stages
- Lustre 2.10.5 is GA; 2.10.6 is targeted for Q4
- IML 4.0.8 is GA; IML 4.1 targeted for Q4
- Plenty of options to contribute to Lustre/IML

Thank you

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