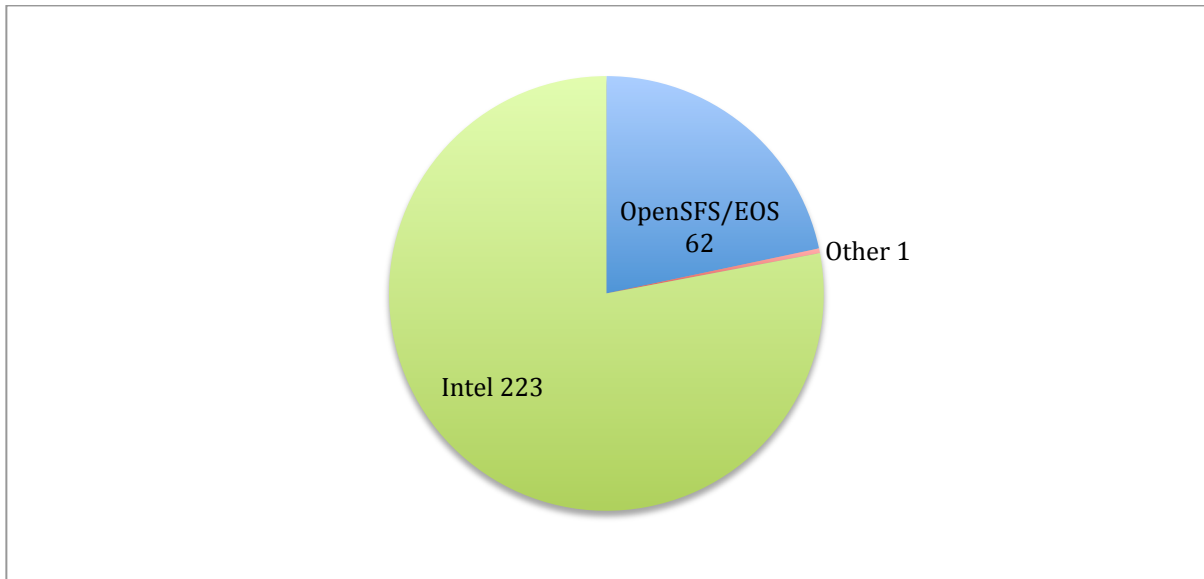




OpenSFS-Intel Lustre Tree Report - Q1 2014

This report provides a brief summary of the highlights of activity on the Lustre master branch for Q1. The full details of landings can be seen at <http://tinyurl.com/wcgit>.

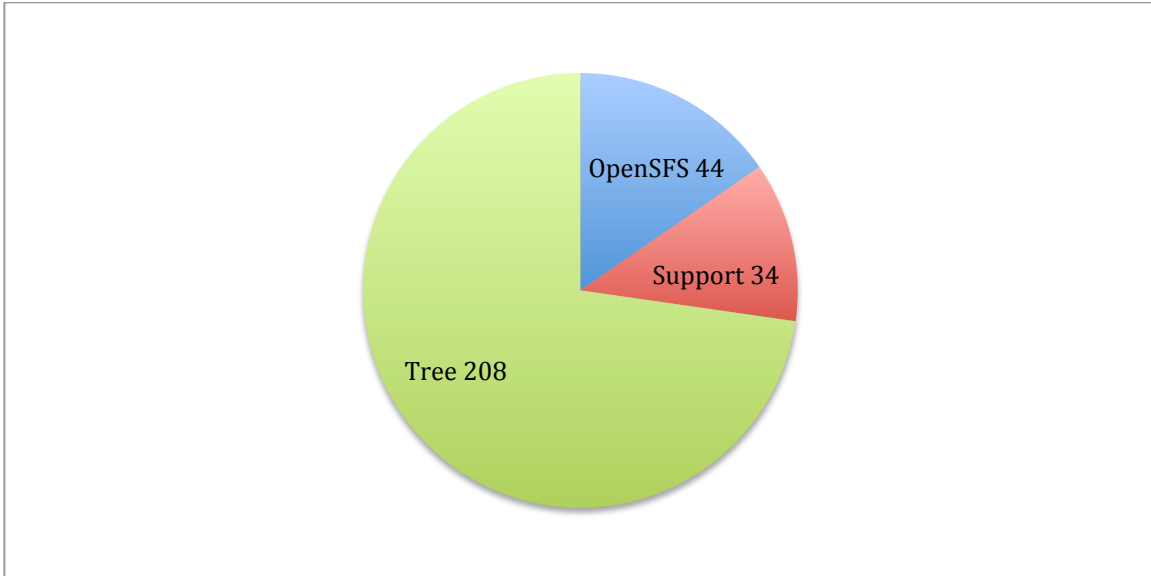
Landings By Organization



These are just straight totals of the number of landings made to master during the quarter broken down by the organization. Contributions from outside Intel are broken down by the contributing engineer's community affiliation.



Landings By Contract



OpenSFS NRE: Landing of work funded by the OpenSFS-Intel NRE contract

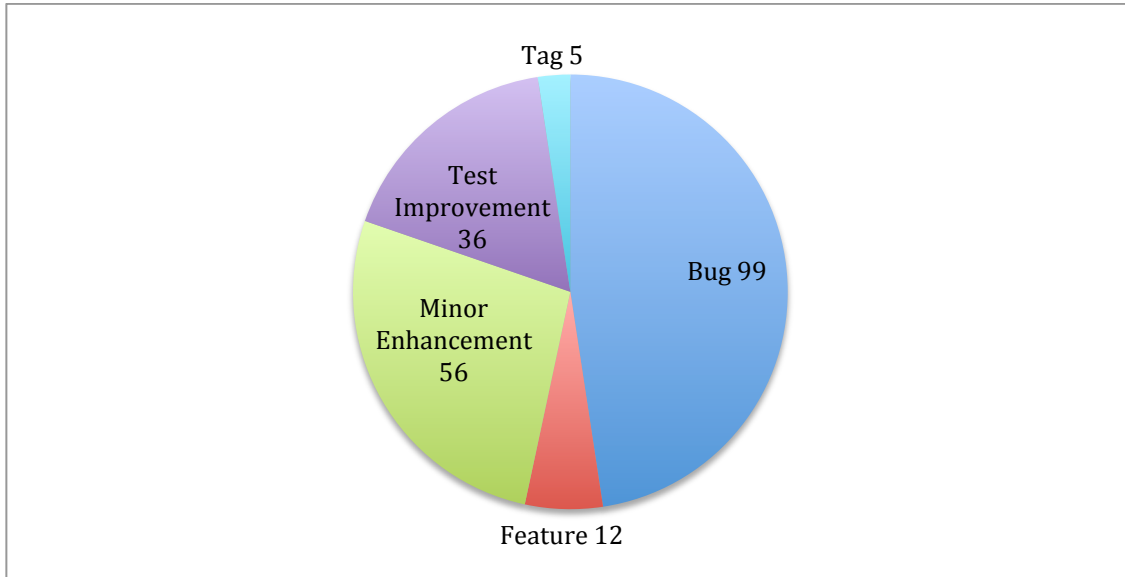
Support: Landing of work funded by Intel support contracts

Intel Funded/Open SFS Tree: Landing of work not covered by other contracts.

This work is partially funded by the OpenSFS-Intel Lustre Tree contract and otherwise covered by Intel.



Intel Funded/OpenSFS Tree Contract Landings by Type



Bug: Correcting Lustre code in response to a defect discovered by Intel or an unsupported organization

Feature: Enhancing Lustre to provide new functionality not funded by other NRE contracts

Minor Enhancement: Enhancing Lustre to provide minor new capabilities e.g. supporting new kernels, etc

Tag: Creation of git tag for testing purposes

Test Improvement: Improvements made to Lustre tests (fixed flaws in the tests that can result in false failures, adding new tests, etc)



Quality Metrics

The below report shows a summary of testing results from maloo.

Note that many test failures are due to issues with the testing environment or the test scripts themselves, rather than bugs in Lustre.

This report can be generated dynamically at <https://maloo.whamcloud.com/reports> and the individual details can be drilled into and mapped to issues in JIRA.

Tests highlighted in red have either declined compared to the previous revision or else are new tests with at least one failure.

Tests highlighted in orange have one or more failures but an improved pass rate compared to the prior revision.

Tests highlighted in green passed all test runs.

Note that runracer test suite was renamed to racer and liblustre testing was suspended because this code has been deprecated.



Maloo - Pass Rate Report lustre-release - master (Tagged Versions)

4/2/14, 9:57 AM

Pass rate report for lustre-release - master

	2.5.7 08820f 2014-03-19	2.5.6 43b2b5 2014-02-26	2.5.5 3996a41 2014-02-20	2.5.4 2166af8 2014-01-11	2.5.3 af4f123 2014-07-01	2.5.2 4620a7f 2013-11-02	2.5.1 14633f6 2013-11-08	2.5.0 50b10f6 2013-10-11	2.4.93 1465c23 2013-08-24	2.4.92 18848d3 2013-09-03	2.4.91 c9a9223 2013-08-17	2.4.90 5650c68 2013-07-31	2.4.81 8532c04 2013-06-21	2.4.50 04e0c4f 2013-05-15	2.3.65 39042f8 2013-06-07	2.3.64 c090e01 2013-04-13	2.3.63 f2a78ea 2013-03-22	2.3.62 87a7789 2013-02-06	2.3.61 2479226 2013-02-16	2.3.59 7677269 2013-01-19	2.3.58 1077226 2013-11-31	2.3.56 4728c3 2013-11-19	
clean_post_upgrade																							
clean_pre_upgrade																							
conf-sanity	2/7	1/4	2/7	0/9	2/6	1/6	7/7		4/6	5/8	5/7	2/3	3/4	5/9	2/6	1/2	1/1	2/4	1/1	2/5	3/8	1/3	
insanity	6/6	4/4	7/7	6/6	6/6	6/6	7/7		5/6	7/8	7/7	3/3	3/4	9/9	6/6	2/2	1/1	4/4	1/1	3/5	7/7	3/3	
large-scale	5/5	3/3	5/6	2/3	4/5	4/5	3/4		7/7	6/6	6/6	2/2	1/4	6/7	6/6	2/2	1/1	4/4	1/1	3/5	7/7	3/3	
lfick	1/6	0/3	2/6	1/7	1/5	4/5	4/5		4/5	5/6	5/6	1/2	1/4	3/7	5/6	0/2	1/1	3/4	0/1	5/5	7/8	2/3	
liblustre																							
inlet-selftest	5/6	2/4	6/7	3/4	5/6	6/6	6/6		8/8	8/8	7/7	3/3	4/4	9/9	6/6	2/2	1/1	3/4	1/1	5/5	7/7	3/3	
lustre-async-test	5/6	4/4	6/7	4/5	6/6	6/6	7/7		4/6	6/8	5/7	2/3	3/4	8/8	4/5	1/2	1/1	3/4	1/1	3/5	6/7	2/3	
mids-survey	5/5	3/3	6/6	3/3	5/5	5/5	4/4		4/5	5/6	6/6	2/2	4/4	5/5	4/4	2/2	1/1	3/3	1/1	5/5	7/7	3/3	
metadata-updates	1/5	0/3	2/6	0/3	1/5	5/5	5/5		4/5	5/6	6/6	2/2	3/4	7/7	6/6	2/2	1/1	4/4	1/1	3/5	7/7	2/3	
mmp	5/9	3/4	6/7	3/5	5/8	6/7	6/6	D-1	7/9	8/9	7/8	3/3	4/5	11/12	6/7	2/2	1/1	4/4	1/1	3/6	7/9	3/3	
obdfilter-survey	5/5	3/3	6/6	3/3	5/5	5/5	4/4		7/7	6/6	6/6	2/2	2/4	7/7	5/6	1/2	1/1	4/4	1/1	3/5	7/7	2/3	
ost-pools	5/6	4/4	7/7	3/4	6/6	6/6	7/7		4/6	7/8	7/7	3/3	3/4	6/7	6/6	1/2	1/1	4/4	0/1	3/5	3/7	1/3	
parallel-scale	1/5	0/3	0/6	0/3	3/5	2/6	3/4		0/5	0/6	0/6	0/2	0/4	2/7	3/6	0/2	0/1	4/4	1/1	2/5	4/7	2/3	
parallel-scale-refs0	1/5	1/3	1/6	0/3	2/6	2/6	2/4		7/9	5/9	4/6	2/2	3/4	6/7	6/6	2/2	1/1	4/4	1/1	1/5	7/7	1/3	
parallel-scale-refs4	1/5	1/3	1/5	0/3	2/5	3/5	3/4		4/10	3/6	3/6	2/2	1/4	4/7	3/6	2/2	1/1	1/4	0/1	2/5	7/7	2/2	
performance-sanity	5/5	3/3	5/6	2/3	4/5	4/5	3/4		5/5	6/6	6/6	2/2	2/4	5/7	5/6	2/2	1/1	4/4	1/1	2/5	6/7	3/3	
posix	5/5	3/3	5/5	3/3	4/5	4/5	4/4		4/6	1/6	1/6	0/2	1/4	5/7	4/6	2/2	1/1	1/4	0/1	3/5	5/7	0/2	
racer	1/6	1/3	4/6	4/5	2/5	0/6	0/6		2/5	4/6	4/6	2/2	2/4	6/7	5/6	2/2	1/1	2/4	1/1	2/5	3/7	2/3	
recovery-double-scale	0/3			0/2	0/2	0/1		1/1	0/3	0/1	1/1			1/1	1/5	1/1				0/1	0/2		
recovery-mids-scale	0/3			0/2	0/2	0/4		1/1	0/3	0/1	0/1			0/1	1/7	0/1	0/2			0/1	0/2		
recovery-random-scale	3/3			2/2	1/2	0/4		1/1	0/3	0/1	0/1			1/1	1/3	0/1	0/2			0/1	0/2		
recovery-small	8/10	4/4	5/7	8/9	5/8	6/7	7/7	D-1	7/9	8/9	8/8	2/3	3/5	12/12	5/7	1/2	1/1	3/4	1/1	2/6	4/9	2/3	
replay-dual	7/8	2/3	5/6	4/6	4/7	5/6	4/5	1/1	2/8	2/7	2/7	2/2	3/5	7/10	7/7	2/2	1/1	3/4	1/1	1/6	5/9	2/3	
replay-ost-single	8/9	3/4	7/7	5/9	6/8	5/7	7/7	D-1	4/9	7/9	7/8	3/3	3/5	8/12	5/7	2/2	1/1	3/4	0/1	3/6	6/9	2/3	
replay-single	8/10	4/4	7/7	6/7	6/8	5/7	7/7	D-1	4/9	6/9	6/8	2/3	3/5	7/12	5/7	1/2	1/1	2/4	1/1	3/6	5/9	1/3	
replay-vbr	7/8	3/3	4/6	2/6	1/7	5/6	5/5	D-1	1/8	2/7	2/7	2/2	3/5	9/10	6/7	2/2	1/1	4/4	1/1	3/6	7/9	3/3	
runracer																							
runtests	7/7	4/4	7/7	6/6	6/6	6/6	8/8		6/6	8/8	7/7	4/4	3/4	7/9	6/6	1/2	1/1	5/5	1/1	3/5	8/8	3/3	
sanity	4/7	3/4	4/7	4/6	4/6	4/6	5/8		1/6	3/8	1/7	1/4	2/4	4/9	1/6	1/2	1/1	3/5	1/1	0/5	0/8	0/3	
sanity-benchmark	5/6	3/3	4/6	3/7	4/5	5/5	4/5		3/5	4/6	4/6	2/2	2/4	4/7	5/6	2/2	0/1	1/5	0/1	5/5	8/8	2/3	
sanity-hsm	6/7	3/4	5/7	4/7	1/1	0/1	2/2		1/1	1/2	0/1	0/1			2/2								
sanity-iffick	6/7	3/4	6/7	6/7	5/6	6/6	7/7		5/6	7/8	6/7	3/3	3/4	3/5									
sanity-quotas	5/6	4/4	7/7	4/6	4/6	5/6	7/7		5/6	5/6	6/7	3/3	2/4	8/9	5/6	2/2	1/1	3/4	1/1	3/5	3/7	1/3	
sanity-scrub	6/7	3/4	6/7	6/7	5/6	6/6	6/7		3/5	5/6	5/6	2/2	3/4	4/5									
sanity-sec	5/6	2/4	5/7	3/5	5/6	6/6	7/7		5/6	7/9	7/7	3/3	3/4	8/8	5/5	2/2	1/1	4/4	1/1	3/5	7/7	3/3	
sanityn	6/7	4/4	7/7	7/7	6/6	6/6	6/7		5/6	7/8	6/7	2/3	2/4	6/11	4/12	1/2	1/1	3/4	1/1	3/5	7/8	2/3	
sgodd-survey																							



Work Completed

The main areas of focus for Q1 2014 were landing features and completing release testing for Lustre 2.6.

Release testing was completed according to the 2.6 test plan on the following tags – 2.5.53, 2.5.54, 2.5.55, 2.5.56 and 2.5.57. A number of bugs were found and fixed as a result.

LFSCK: MDT-OST Consistency check/repair (LU-1267).

Unified request handler on OST (LU-3467).

Improving single client performance (LU-3321).

Work In Progress

Support for 3.10 kernel (LU-3319) and 3.12 kernel (LU-4416).

Peter Jones
HPDD, Intel
April 2nd 2014



Appendix A: Timeline for Lustre 2.6

Release criterion is zero issues remaining on the Lustre 2.6 unresolved issues filter in JIRA –

<https://jira.hpdd.intel.com/issues/?jql=fixVersion%20%3D%20%22Lustre%202.6.0%22%20AND%20project%20%3D%20LU%20AND%20resolution%20%3D%20Unresolved%20ORDER%20BY%20priority%20DESC>

The timeline for 2.6 can be found at http://wiki.opensfs.org/Lustre_2.6.0