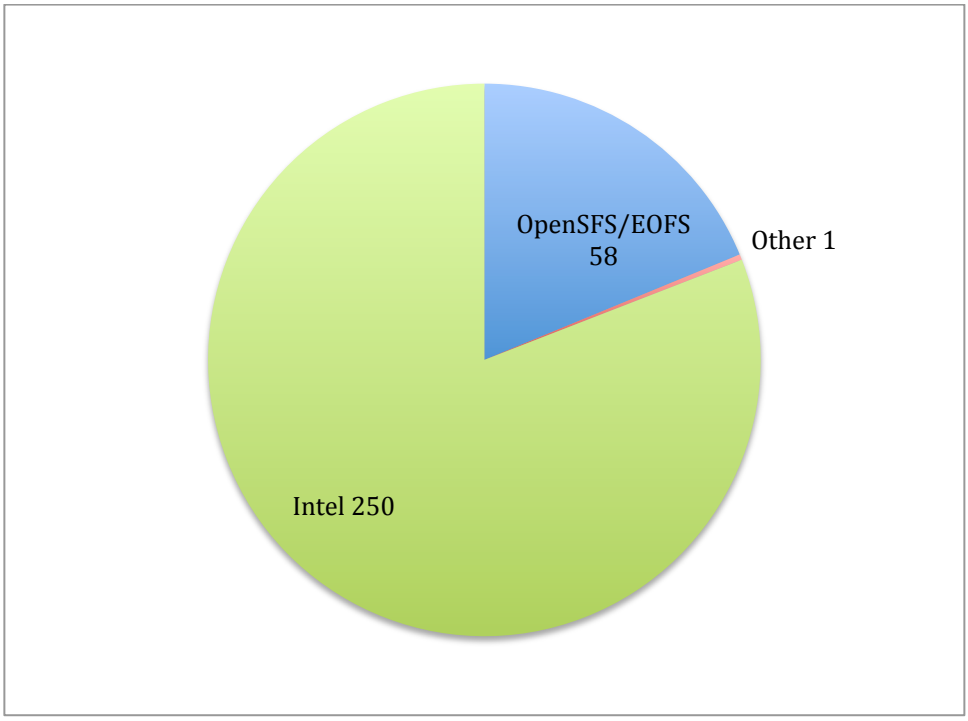
OpenSFS-Intel Lustre Tree Report – Q4 2014

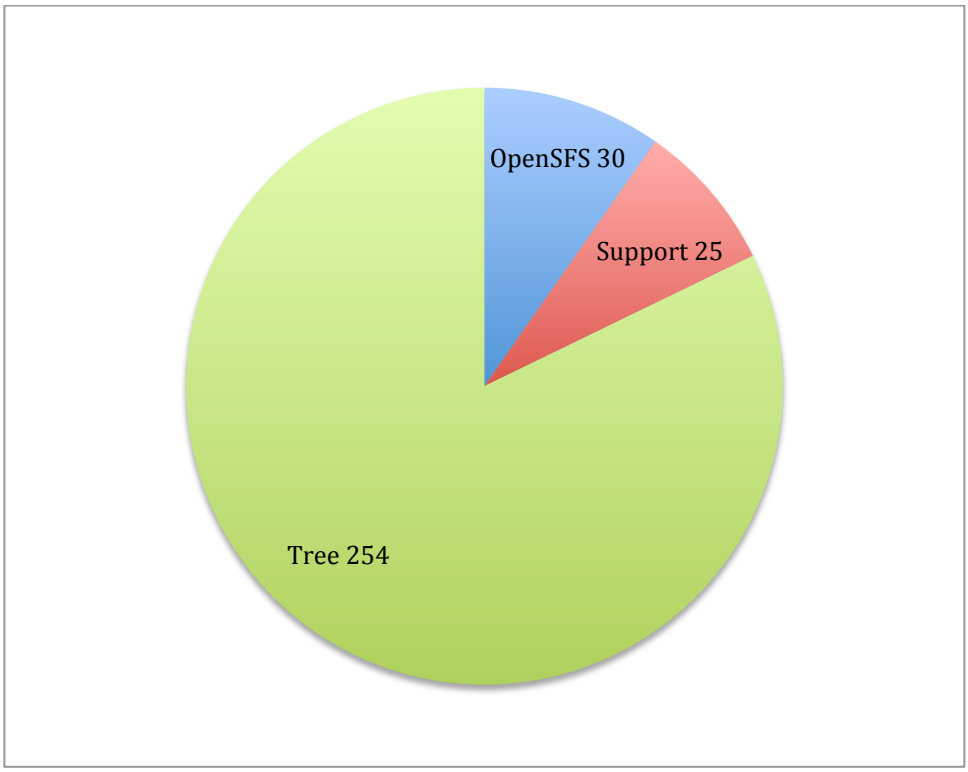
This report provides a brief summary of the highlights of activity on the Lustre master branch for Q4. The full details of landings can be seen at **http://tinyurl.com/wcgit** .

Landings By Organization



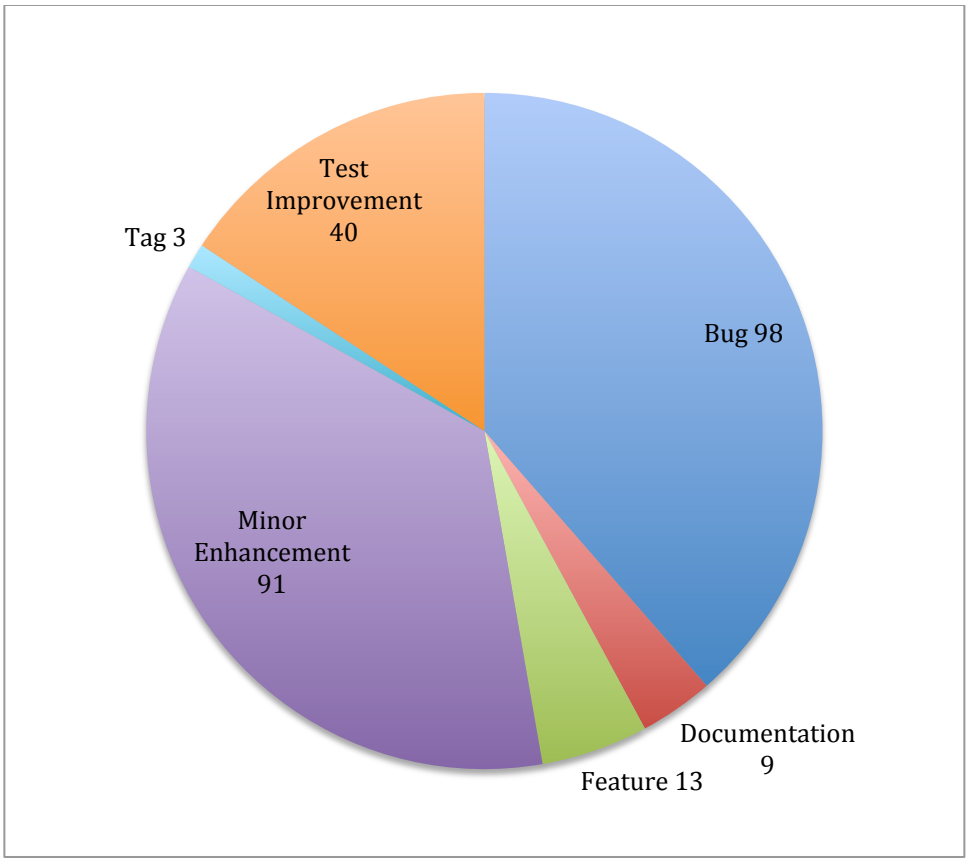
These are just straight totals of the number of landings made to master during the quarter broken down by the organization. Contributions from outside Intel are broken down by the contributing engineer's community affiliation.

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
Documentation: Improvements to Lustre documentation (including internal code documentation)
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://testing.hpdd.intel.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.

Pass rate report for lustre-release - master

FINAL

Work Completed

The focus for Q4 2014 was feature landing for 2.7 until after feature freeze on October 31st and thereafter bug fixing.

Release testing was completed according to the 2.7 test plan on the following tags – 2.6.54, 2.6.90, and 2.6.91. A number of bugs were found and fixed as a result.

Dynamic LNET Configuration (LU-2456).

MDT-MDT Consistency (LU-4788).

Work In Progress

Support for 3.12 kernel (LU-4416).

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January 1st 2015

Appendix A: Timeline for Lustre 2.7

Release criterion is zero issues remaining on the Lustre 2.7 unresolved issues filter in JIRA - https://jira.hpdd.intel.com/issues/?jql=fixVersion = "Lustre 2.7.0" AND project = LU AND resolution = Unresolved ORDER BY priority DESC

The timeline for 2.7 can be found at http://wiki.opensfs.org/Lustre_2.7.0