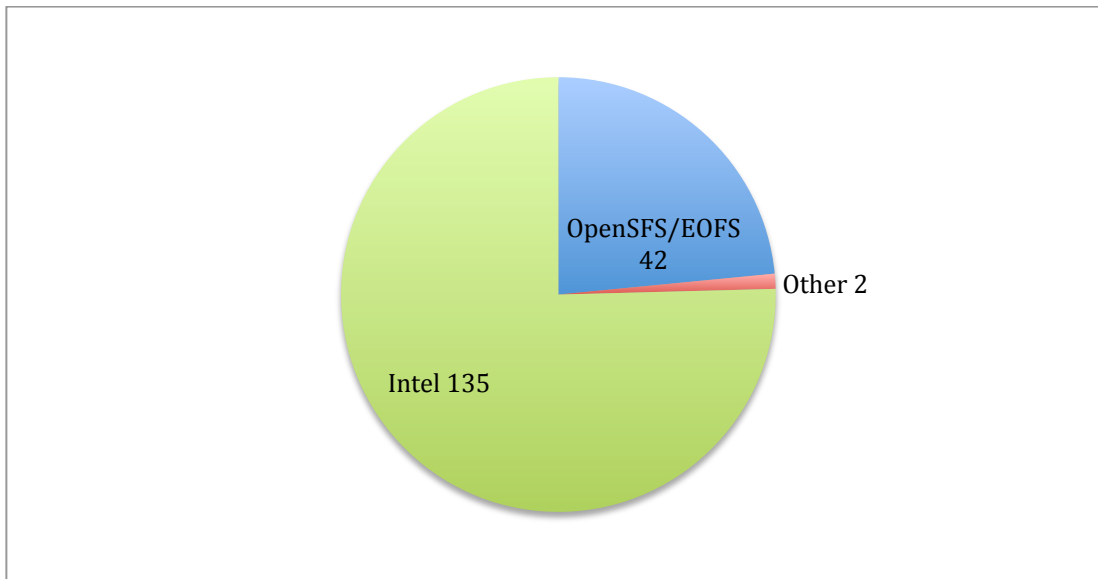




OpenSFS-Intel Lustre Tree Report - Q1 2015

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>.

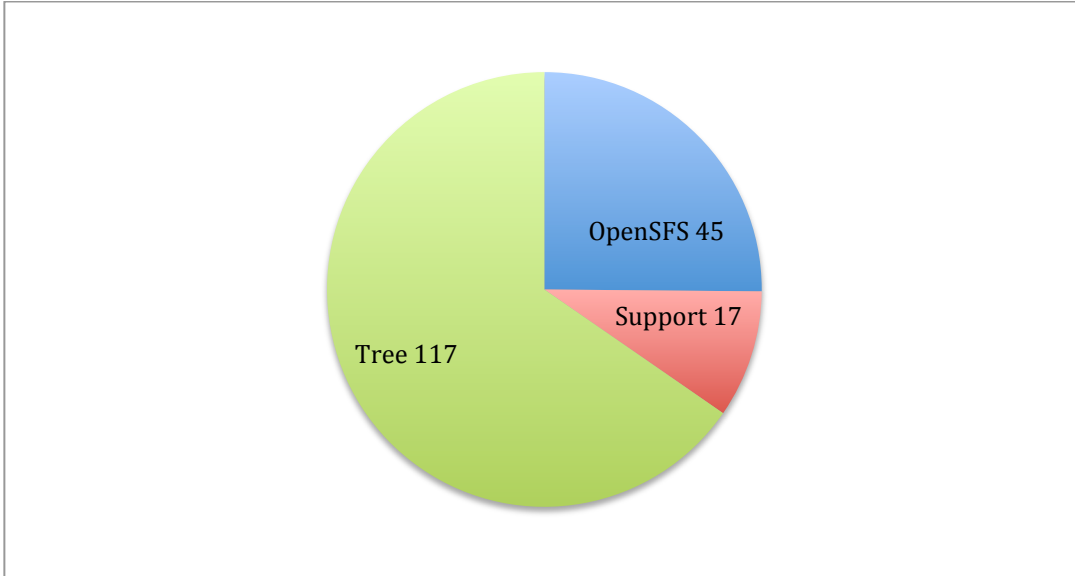
Landings By Organization



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



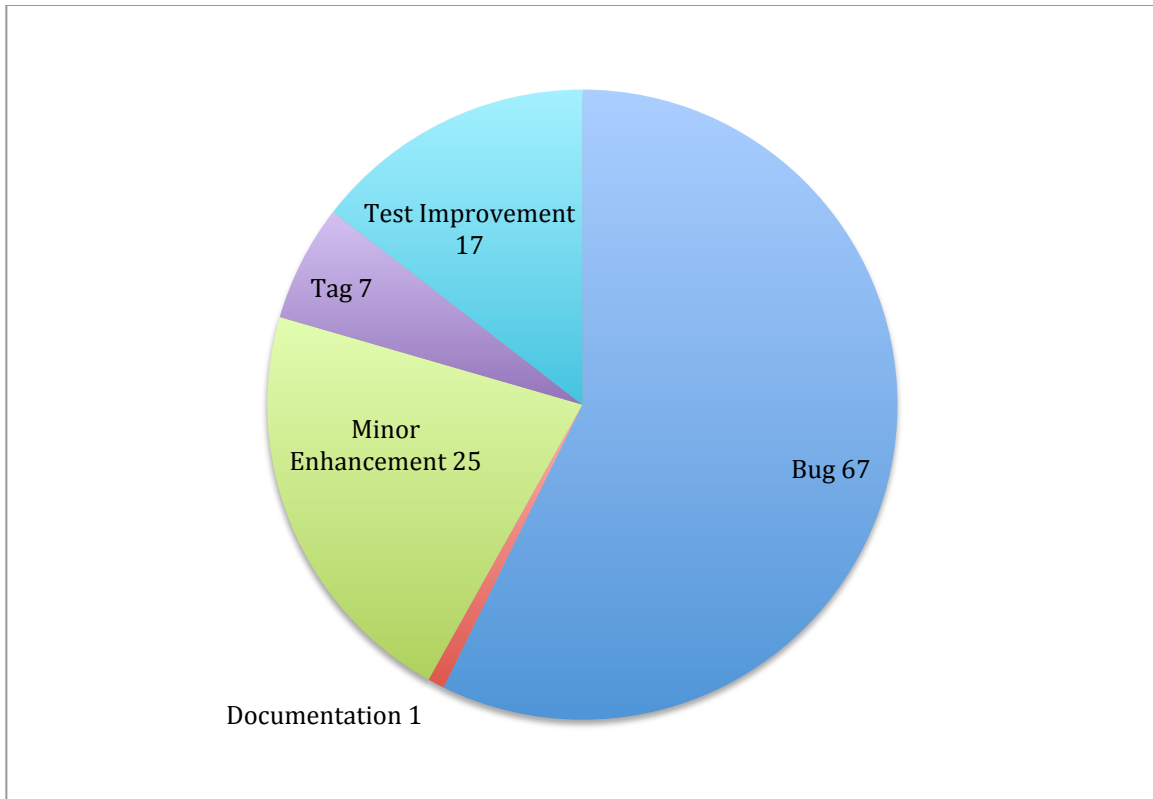
OpenSFS NRE: Landing of work funded by the OpenSFS-Intel NRE contract

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

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.



Maloo - Pass Rate Report lustre-release - b2_7 (Tagged Versions)

4/1/15, 9:11 AM

Pass rate report for lustre-release - b2_7

	2.7.0 862869 2014-03-04	2.7.0-RC2 76e072 2014-02-27	2.7.0-RC1 48a009 2014-02-27	2.8.0 647754 2014-02-09	2.8.0 5240d3 2014-01-27	2.8.0 47f7b07 2014-01-02	2.8.0 54c1199 2014-12-03	2.8.0 72f13d2 2014-11-09	2.8.0 34e6d0 2014-10-11	2.8.0 f9e0d8 2014-09-26	2.8.0 644e06 2014-08-30	2.8.0 04e62a 2014-07-01	2.8.0 302209 2014-06-18	2.8.0 216a2b 2014-04-19	2.8.0 c68326 2014-05-19	2.8.0 43f0d5 2014-02-13	2.8.0 3994a1 2014-02-03	2.8.0 216a19 2014-01-11	2.8.0 ef1d21 2014-07-01	2.8.0 480a07 2013-12-02	2.8.0 148926 2013-11-08	2.8.0 b0b16a 2013-10-11	
Provisioning-1																							
Provisioning-2																							
clean_post_upgrade																							
clean_pre_upgrade																							
conf-sanity	4/12	3/12	3/12	3/12	3/10	3/11	2/11	2/8	1/6	2/7	4/11	1/7	0/6	1/4	2/7	1/4	0/9	2/6	1/6	7/7			
insanity	12/12	9/12	9/12	11/11	9/9	10/10	11/11	8/8	6/6	6/6	11/11	7/7	8/8	4/4	6/6	4/4	7/7	6/6	6/6	7/7			
large-scale	10/12	10/13	9/12	10/11	7/8	8/9	9/10	6/7	5/5	5/5	9/9	6/6	7/7	3/3	5/5	3/3	5/6	2/3	4/5	4/5	3/4		
fsck								0/8	0/7	0/5	0/6	0/9	1/6	1/7	0/3	1/6	0/3	2/6	1/7	1/5	4/5	4/5	
lbbustre																							
inlet-selftest	9/12	9/13	9/12	9/11	6/9	6/10	7/11	5/8	5/6	6/6	9/11	6/7	7/8	3/4	5/6	2/4	6/7	3/4	5/6	6/6	6/6		
lustre-initialization-1	15/15	16/16	15/15	14/15	12/13	13/13	13/14	11/12	9/10	10/12	12/14	8/9	8/9	4/5	9/9	4/4	6/6	8/9	8/9	10/10	6/6	1/1	
lustre-initialization-10				1/1																			
lustre-initialization-11																							
lustre-initialization-12																							
lustre-initialization-13																							
lustre-initialization-14																							
lustre-initialization-15																							
lustre-initialization-16																							
lustre-initialization-2	11/11	13/13	12/12	10/10	9/9	13/13	12/12	9/9	7/7	8/8	10/10	5/5	8/8	4/4	6/6	4/4	4/4	8/8	8/8	10/10	5/5	1/1	
lustre-initialization-3	7/7	6/6	9/9	5/5	8/8	5/5	5/5	6/6	4/4	6/6	4/4	3/3	3/3	3/3	4/4	1/1	2/2	7/7	5/5	4/4	1/1	1/1	
lustre-initialization-4	6/6	5/5	6/6	5/5	5/5	3/3	3/3	2/2	1/1	3/3	3/3		2/2	2/2	1/1		2/2	3/3	2/2	2/2	1/1	1/1	
lustre-initialization-5	3/3	4/4	4/4	4/4	2/2	3/3	2/2	2/2		1/1			1/1				1/1	2/2	2/2	1/1	1/1	1/1	
lustre-initialization-6	2/2	3/3	3/3	2/2	2/2	1/1	1/1	1/1		1/1							1/1	2/2	2/2	1/1	1/1	1/1	
lustre-initialization-7	1/1	2/2	2/2	1/1	1/1												1/1	1/1	1/1	1/1	1/1	1/1	
lustre-initialization-8	1/1	1/1															1/1	1/1	1/1	1/1	1/1	1/1	
lustre-initialization-9	1/1	1/1															1/1	1/1	1/1	1/1	1/1	1/1	
lustre-sync-test	11/12	12/13	11/12	10/11	9/9	9/10	10/11	8/8	6/6	6/6	10/11	7/7	8/8	3/4	5/6	4/4	6/7	4/5	6/6	6/6	7/7		
mds-survey	9/12	10/13	9/12	9/11	7/8	9/10	6/7	5/5	5/5	8/8	6/6	6/7	3/3	5/5	3/3	6/6	3/3	5/5	5/5	4/4			
metadata-updates	2/12	2/13	2/12	1/11	1/8	2/9	1/10	1/7	0/5	1/5	3/9	1/6	1/7	0/3	1/5	0/3	2/6	0/3	1/5	5/5	5/5		
mmp	10/15	9/15	11/14	9/11	10/12	10/12	9/10	6/7	5/5	8/8	9/10	6/8	7/8	3/4	5/9	3/4	6/7	3/5	5/8	6/7	6/6	0/1	
node-provisioning-1	15/15	16/16	15/16	15/15	13/13	13/14	14/16	12/12	10/11	12/12	14/14	9/9	9/9	5/6	9/9	4/6	6/6	9/9	9/9	10/11	6/6	1/1	
node-provisioning-10				1/1																			
node-provisioning-11																							
node-provisioning-12																							
node-provisioning-13																							
node-provisioning-14																							
node-provisioning-15																							
node-provisioning-16																							
node-provisioning-2	11/11	13/13	12/12	10/10	9/9	13/13	12/12	9/9	7/7	9/9	10/10	5/5	8/8	4/4	6/6	4/4	4/4	8/8	8/8	10/10	5/5	1/1	
node-provisioning-3	7/7	6/6	9/9	5/5	8/8	5/5	5/5	6/6	4/4	6/6	4/4	3/3	3/3	3/3	4/4	1/1	2/2	7/7	5/5	4/4	1/1	1/1	
node-provisioning-4	6/6	5/5	6/6	5/5	5/5	3/3	3/3	2/2	1/1	3/3	3/3		2/2	2/2	1/1		2/2	3/3	2/2	2/2	1/1	1/1	
node-provisioning-5	3/3	4/4	4/4	4/4	2/2	3/3	2/2	2/2		2/2			1/1				1/1	2/2	2/2	1/1	1/1	1/1	
node-provisioning-6	2/2	3/3	3/3	2/2	2/2	1/1	1/1	1/1		1/1							1/1	2/2	2/2	1/1	1/1	1/1	
node-provisioning-7	1/1	2/2	2/2	1/1	1/1												1/1	1/1	1/1	1/1	1/1	1/1	
node-provisioning-8	1/1	1/1															1/1	1/1	1/1	1/1	1/1	1/1	
node-provisioning-9	1/1	1/1															1/1	1/1	1/1	1/1	1/1	1/1	
oddfiler-survey	9/12	9/13	9/12	9/11	7/8	8/9	6/10	5/7	5/5	5/5	9/9	6/6	7/7	3/3	5/5	3/3	6/6	3/3	5/5	5/5	4/4		
ost-pools	9/12	9/13	9/12	9/11	5/9	5/10	5/11	4/8	6/6	5/6	10/11	6/7	7/8	3/4	4/6	4/4	7/7	3/4	6/6	6/6	7/7		
parallel-scale	7/12	8/13	9/12	7/11	5/8	7/9	7/10	6/7	5/5	4/5	8/9	1/5	1/7	0/3	1/5	0/3	0/3	0/3	3/5	2/5	3/4		
parallel-scale-rtv0	9/12	11/13	9/12	7/11	6/8	6/9	8/10	6/7	5/5	4/5	9/9	1/6	1/5	1/3	1/5	1/3	1/5	0/3	2/5	2/5	0/4		
parallel-scale-rtv4	9/12	9/13	9/12	9/11	6/8	6/9	8/10	6/7	5/5	5/5	9/10	4/6	2/7	1/3	1/5	1/3	1/5	0/3	2/5	3/5	3/4		
performance-sanity	10/12	10/13	9/12	9/11	7/8	8/9	9/10	6/7	5/5	5/5	9/9	6/6	7/7	3/3	5/5	3/3	5/6	2/3	4/5	4/5	3/4		
posix	9/12	9/13	9/12	9/11	6/8	6/9	8/10	6/7	5/5	5/5	9/9	6/6	7/7	3/3	5/5	3/3	5/5	3/3	4/5	4/5	4/4		
racer	9/12	10/12	10/12	7/11	3/9	9/10	9/10	6/7	3/5	5/6	6/9	4/6	4/7	0/3	1/6	1/3	4/6	4/5	2/5	0/6	5/6		
recovery-double-scale	0/3	0/3	0/3	0/3	0/3	0/3	0/2	0/3	0/2	0/3	0/1	0/1					0/2	0/2	0/1			1/1	
recovery-mds-scale	0/3	0/3	0/3	0/3	0/3	0/3	0/2	0/3	0/2	0/3	0/1	0/1					0/2	0/2	0/1			1/1	
recovery-random-scale	3/3	3/3	3/3	3/3	3/3	3/3	1/2	2/3	2/2	3/3	0/1	1/1				3/3		2/2	1/2	0/4		1/1	
recovery-small	10/15	9/15	9/15	11/14	8/12	9/14	8/13	9/11	5/8	7/9	8/12	6/8	6/8	4/5	8/10	4/4	5/7	8/9	5/8	6/7	7/7	0/1	
reply-dual	13/15	11/15	11/15	12/14	2/11	0/13	1/12	1/10	0/7	5/8	9/10	6/7	7/7	3/3	7/8	2/3	5/6	4/6	4/7	5/6	4/5	1/1	
reply-ost-single	12/15	11/15	12/15	12/14	10/12	12/14	11/13	9/11	7/8	7/9	8/12	7/8	8/8	4/4	9/9	3/4	7/7	6/6	6/8	5/7	7/7	0/1	
reply-single	9/15	10/15	10/15	9/14	3/13	10/14	9/13	8/11	5/8	3/10	7/12	3/8	7/8	3/4	8/10	4/4	7/7	6/7	6/8	5/7	7/7	0/1	
reply-vbr	11/15	10/15	9/15	12/14	4/11	4/12	9/12	9/10	5/7	7/8	3/10	5/7	7/7	3/3	7/8	3/3	4/6	2/6	1/7	5/6	5/5	0/1	
runracer																							
sanits	13/13	12/12	12/12	11/11	11/11	11/11	9/9	6/6	7/8	11/11	7/7	8/8	4/4	7/7	4/4	7/7	6/6	6/6	6/6	6/6	6/6	8/8	
sanity	4/13	4/12	4/12	3/11	3/11	3/11	3/11	1/9	3/6	1/8	3/11	2/7	3/8	2/4	4/7	3/4	4/7	4/6	4/6	4/6	5/8		
sanity-benchmark	10/12	9/12	10/12	10/11	9/9	10/10	10/10	7/7	5/5	6/7	9/9	5/5	7/7	3/3	5/6	3/3	4/6	3/7	4/5	5/5	4/5		
sanity-hsm	10/12	10/12	10/12	9/11	9/10	9/10	9/11	8/8	6/6	5/7	8/10	6/7	6/8	4/4	6/7	3/4	5/7	4/7	1/1	0/1	2/2		
sanity-fsck	9/12	9/12	9/12	7/11	6/10	6/10	5/11	4/8	4/6	5/8	5/10	4/7	1/8	4/4	6/7	3/4	6/7	6/7	5/6	6/6	7/7		
sanity-quota	9/12	9/12	7/12	9/11	7/9	7/10	8/11	8/8	5/6	5/6	10/11	7/7	8/8	4/4	6/6	4/4	7/7	4/6	4/6	5/6	7/7		
sanity-scrub	7/12	8/12	7/12	7/11	5/9	7/9	5/10	5/7	5/5	6/7	6/8	5/7	5/8	2/4	6/7	3/4	6/7	6/7	5/6	6/6	6/7		
sanity-sec	7/12	8/12	8/12	9/11	2/8	2/9	7/10	5/7	4/5														



Work Completed

The focus for Q1 2015 was stabilization and testing for 2.7 and after the GA of 2.7 on March 13th on feature landings for 2.8. For clarity, the small amount of 2.8 work will be reported in the Q2 report.

Release testing was completed according to the 2.7 test plan on the following tags – 2.6.92, 2.6.93, 2.6.94, and 2.7.0-RC4. A number of bugs were found and fixed as a result.

Work In Progress

Support for 3.12 kernel (LU-4416).

Peter Jones
HPDD, Intel
April 1st 2015



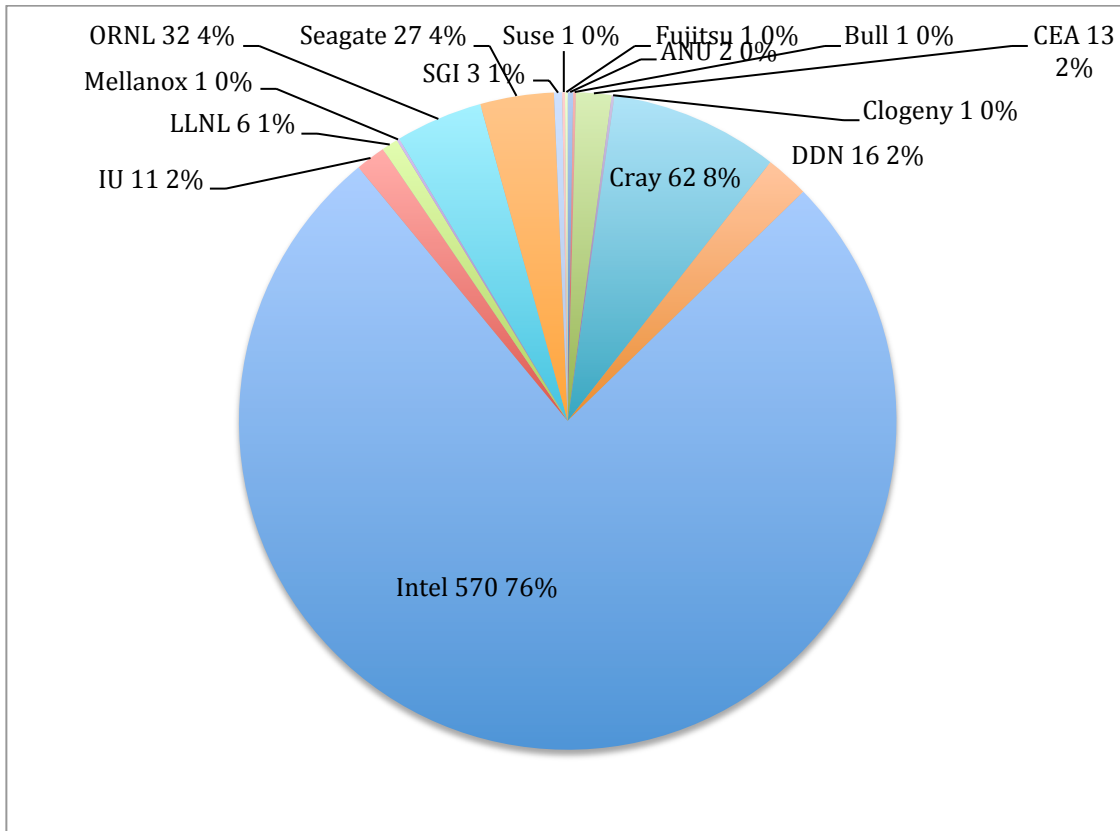
Appendix A: Timeline for Lustre 2.8

Release criterion is zero issues remaining on the Lustre 2.8 unresolved issues filter in JIRA - <https://jira.hpdd.intel.com/issues/?jql=fixVersion = 'Lustre 2.8.0' AND project = LU AND resolution = Unresolved ORDER BY priority DESC>

The timeline for 2.8 can be found at http://wiki.opensfs.org/Lustre_2.8.0

Appendix B: Landings By Organization for Lustre 2.7

Number of commits between 2.6.50 and 2.7.0.



Number of Lines of code change between 2.6.50 and 2.7.0

