

# Landing Milestone Completion for the Project 3: Removal of Dead Code in Lustre\* of the SFS-DEV-003 contract.

## Revision History

<b>Date</b>	<b>Revision</b>	<b>Author</b>
2014-08-01	Original	R. Henwood

## Introduction

This document marks the Landing milestone completion of Project 3 – Removal of Dead Code in Lustre\* of the OpenSFS Lustre Development contract SFS-DEV-003 agreed August 23<sup>rd</sup>, 2013.

The Removal of Dead Code project agreed the [project scope](#) in February 2014. The project has now completed all of the scoped items. Specific highlights from this project include:

## Landed Patches

The agreed solution has been completed and is recorded in the following landed patches:

<a href="#">a44f229</a>	LU-4961 lustre: move ioctls to lustre_ioctl.h
<a href="#">38fa948</a>	LU-4826 lmv: cleanup req in lmv_getattr_name()
<a href="#">6a9e714</a>	LU-4817 osd: fix some leXX_to_cpu() usage issues
<a href="#">3d01380</a>	LU-4738 lmv: access lum_stripe_offset as little endian
<a href="#">c8a022a</a>	LU-4718 osp: clear oxe_ready on old oxe
<a href="#">4cfa87d</a>	LU-4699 libcfs: unify ERR_PTR definitions
<a href="#">59f0a47</a>	LU-4679 liblustre: remove dead code and clean headers
<a href="#">f1685b4</a>	LU-4655 libcfs: properly (un)define CDEBUG_ENTRY_EXIT
<a href="#">5cd7c3f</a>	LU-3498 kernel: remove uses of IS_ERR_VALUE()
<a href="#">27bc60a</a>	LU-2785 osc: remove unused obd methods
<a href="#">3e7573c</a>	LU-2753 lvfs: cleanup lvfs.h and collateral
<a href="#">7277179</a>	LU-2675 liblustre: disable liblustre by default
<a href="#">bd2cd322</a>	LU-2675 llite: remove liblustre includes
<a href="#">e15e92d3</a>	LU-2675 lmv: remove liblustre includes
<a href="#">266d030a</a>	LU-2675 lov: remove liblustre includes
<a href="#">b5a7260a</a>	LU-2675 utils: remove unused utilities
<a href="#">14d162c</a>	LU-2675 obd: remove dead code
<a href="#">c0a8fa3</a>	LU-2675 fid: remove liblustre includes
<a href="#">8d161d4</a>	LU-2675 obd: decruft md_enqueue() and md_intent_lock()
<a href="#">a2877f1</a>	LU-2675 obd: decruft md_enqueue() and md_intent_lock()
<a href="#">0f9a574</a>	LU-2675 mdd: remove dead code
<a href="#">1a937b3</a>	LU-2675 mdt: refactor mdt_getattr_name_lock()
<a href="#">adb0b75</a>	LU-2675 llite: remove dead code
<a href="#">8e357d9</a>	LU-2675 obdclass: remove uses of lov_stripe_md
<a href="#">7da33dc</a>	LU-2675 lov: remove unused lov obd functions

\* Other names and brands maybe the property of others.

[6856289](#) LU-2675 cleanup: const correct FID/OSTID/... helpers  
[a8252d0](#) LU-2675 lustre: remove lustre/include/ioctl.h  
[22da3f9](#) LU-2675 lod: remove lov and lod stuff from obd.h  
[7d76b8e](#) LU-2675 lov: remove unused lov llog code  
[78e16f8](#) LU-2875 mdt: use lu\_name for rr\_name and rr\_tgt  
[02571dc](#) LU-2675 echo: remove #if 0-ed out regions from echo\_client.c  
Added lines: 5117 removed lines : 20267: **Net removed: 15150**

## Automatic Patch Reporting

A 'HPDD Checkpatch' automatic reviewer has been implemented. This tool identifies specific style issues. The automatic reviewer posts suggestions for improving style against all patches that arrive in Gerrit.

## Clang Plugin Code Released

The Clang plugin code used to assist short-listing of unused sections of Lustre was made available from [git.whamcloud.com](http://git.whamcloud.com). In addition a ['how to' document](#) was also produced and verified. The code release and documentation was announced to the community on 24<sup>th</sup> July 2014 on public Lustre mailing lists.

## Conclusion

Landing has been completed according to the agreed criteria. 20431 lines have been identified as redundant with patches to implement their removal. The net removal line count of 15103 surpasses the line count goal from the [Scope Statement](#) by 50%.