Implementation Assessment Data on MDS Design

Introduction

The following milestone completion document applies to Project 5 – Data on MDS Design. This project is recorded in the OpenSFS Lustre[*] software Development contract SFS-DEV-002 agreed August 23rd, 2013.
The Data on MDS Design work is complete and recorded in the documents:

> Data on MDS Design Scope Statement
> Data on MDS Design Solution Architecture
> Data on MDS High Level Design

The Data on MDS project is concerned with enabling Lustre file systems to become more performant with small files. This project requires the functionality described in Layout Enhancement Design project.

Proposed Scope of Implementation

- Client and server support
- Tools
- Test scripts
- Quota
- LFSCK, grant, and bulk reply
- Echo client, documentation
- Migration

Effort Estimate

The project is estimated to run for 63 weeks from the beginning of Implementation through to project Close. This estimate includes two phases of implementation. The first phase is subdivided to deliver useful functionality incrementally during this project. The project may be completed over the course of seven measurable stages listed below.

---

* Other names and brands may be claimed as the property of others.

Implementation Assessment Data on MDS Design

Phase	Estimated Elapsed Time (weeks)
Implementation 1a: Client, server, tools, test scripts	12
Implementation 1b: LFSCK, quota, grant, bulk reply	11
Implementation 1c: Echo client	4
Implementation 2: Migration	6
Test and Fix	12
Demonstration	8
Landing	10

Dependencies and External Factors

This project is dependent on the functionality provided by the Layout Enhancement project.