

LUG 2011 Agenda

LUG 2011, a 2.5 day event, will feature numerous presentations on select Lustre features, upcoming enhancements, site-specific experiences using Lustre, and much more.

Tuesday, April 12 – LUG Day 1

7:30 – 8:30	Breakfast
8:45 – 9:00	<i>LUG Kickoff</i> Galen Shipman, LUG Committee Chair, ORNL
9:00 – 9:30	<i>Lustre Community releases</i> Peter Jones, Whamcloud
9:30 – 10:00	<i>Architecture and Implementation of Lustre at the National Climate Computing Research Center</i> Douglas Fuller, ORNL
10:00 – 10:30	Coffee Break
10:30 – 11:00	<i>The Scientific User's Perspective of Lustre</i> Frank Indiviglio, NOAA
11:00 – 11:30	<i>Effective MapReduce on Lustre</i> Nathan Rutman, Xyratex
11:30 – 12:00	<i>The Statistical Properties of Lustre Server-side I/O</i> Andrew Uselton, NERSC
12:00 – 1:00	Lunch
1:00 – 1:30	<i>Testing Methodology for Large Scale File Systems</i> Sarp Oral, ORNL
1:30 – 2:00	<i>Whamcloud Test and Validation Toolset</i> Chris Gearing, Whamcloud
2:00 – 2:30	<i>Cloud Infrastructure for Lustre QA and Benchmark</i> Shuichi Ihara, Data Direct Networks
2:30 – 3:00	<i>An Overview of Fujitsu's Lustre Based File System</i> Shinji Sumimoto, Fujitsu
3:00 – 3:30	Coffee Break
3:30 – 3:50	<i>Empowering Multi-site Heterogeneous Workflows with Lustre-WAN</i> Scott Michael, Indiana University
3:50 – 4:10	<i>Lustre WAN at 100 Gigabit</i> Michael Kluge, ZIH
4:10 – 4:30	<i>Lustre WAN Panel discussion</i> NRL, TACC, Indiana University, ZIH
4:30 – 4:50	<i>Community Organization: EOFS</i> Person
4:50 – 5:10	<i>Community Organization: HPCFS</i> Person
5:10 – 5:30	<i>Community Organization: OpenSFS</i> Person
5:30 – 6:00	<i>Community Organization: Panel discussion</i> EOFS, HPCFS, OpenSFS
6:00 – 6:30	Break
6:30	Dinner Reception

Wednesday, April 13 – LUG Day 2

7:30 – 8:30	Breakfast
8:30 – 10:00	<i>Vendor Roundtable</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	<i>OpenSFS Lustre Architecture Roadmap</i> David Dillow and Chris Morrone, OpenSFS
11:00 – 11:30	<i>Online File System check</i> Andreas Dilger, Whamcloud
11:30 – 12:00	<i>ZFS on Linux for Lustre</i> Brian Behlendorf, LLNL
12:00 – 1:00	Lunch
1:00 – 1:30	<i>btrfs: Overview and Requirements for a btrfs osd</i> <i>Stability and Performance Analysis of btrfs</i> Johann Lombardi, Whamcloud and Douglas Fuller, ORNL
1:30 – 2:00	<i>Lustre File Creation Performance Enhancements</i> Ben Evans, Terascale
2:00 – 2:30	<i>Lustre Metadata Operations Improvements</i> Fan Yong, Whamcloud
2:30 – 3:00	<i>Detecting Hidden File System Problems</i> Nick Cardo, NERSC
3:00- 3:30	Coffee Break
3:30 – 4:00	<i>Log Analysis and ltop</i> John Hammond, TACC
4:00 – 4:30	<i>Lustre Monitoring Tool (LMT)</i> Chris Morrone, LLNL
4:30– 5:00	<i>Lustre at Juelich Supercomputing Center (JSC)</i> Frank Heckes, JSC
5:00 – 5:30	<i>Improving Management of Large Lustre File Systems</i> David Dillow, ORNL
5:30 – 6:00	<i>Lustre/HSM binding</i> Aurelien Degremont, CEA
6:00 – 6:30	Break
6:30	Dinner Reception

Thursday, April 14 –LUG Day 3

7:30 – 8:30	Breakfast – LOCATION
8:30 – 9:00	<i>Lustre as a root file system</i> Robin Humble, NCINF
9:00 – 9:30	<i>Lustre 2.0 in NUMIOA Architectures</i> Diego Moreno, Bull
9:30 – 10:00	<i>A Scalable Health Network for Lustre</i> Eric Barton, Whamcloud
10:00 – 10:30	Coffee Break – LOCATON GOES HERE
10:30 – 11:30	<i>Imperative Recovery</i> Jay Xiong, Whamcloud
11:00 – 11:30	<i>Lustre File Striping across a Large Number of OSTs</i> Oleg Drokin, Whamcloud
11:30 – 12:00	<i>Use cases in Lustre in the TSUBAME2.0 supercomputer</i> Hitoshi Sato, Tokyo Institute of Technology
12:00	LUG 2011 Concludes