

An Essential Community Resource

HP-CAST 21 November 2013

What Is OpenSFS?

Open Scalable File Systems

- The organizing force behind the Lustre® file system community
- We advance Lustre to meet evolving end-user requirements
- We enhance Lustre by funding collaborative development and community tools and resources
- We promote a strong vendor ecosystem to ensure stability and sustainability



Who Are We?

Promoters













Adopters











Supporters



















How We Are Organized and Who We Serve

Officers and Board of Directors

Working Groups:

Marketing

Benchmarking

WAN

Technical

Community Development

Events & Outreach:

LUG, SC13, ISC, LUG APAC China, LUG APAC Japan **Alliances**:

EOFS

Resources:

E-mail lists, Web site, Member Wiki, Roadmaps, Training, Documentation

End Users

Complementary Open Source Projects

Storage Products Industry

Market-Specific Industry

IT Support Organizations

Lustre Developers /
Contributors



Providing Community Structure

Ensuring Continued Evolution

- Gathering requirements
- Defining the roadmap
- Executing the roadmap

Ensuring Open Development

- Funding core tree maintenance
- Coordinating the community

OpenSFS

Providing a Community Resource

- Promotion/Awareness
- Documentation
- Collaborative Working Groups
- Manages the Lustre User Group and other key events

Facilitating a Stable Lustre

- Organizing community testing
- Providing dedicate test systems

Building Strong Partnerships

- EOFS
- International Chapters

Building Confidence

- Defending against a single point of failure
- Organizing key stakeholders



What has OpenSFS done this year?

- Co-funded two major feature releases (2.4 & 2.5)
- Funded new Lustre development
- Hosted LUG 2013 in San Diego
- Hosted first APAC LUGs (China, Japan)
- Invested in a community portal

http://lustre.opensfs.org



Where the rubber meets the road

In 2012

- Lustre support and maintenance: \$1.5M
- Development programs, future feature definitions: \$800K
- Community support: \$125K

In 2013

 OpenSFS is on track to fund over \$3M in support of open source activities



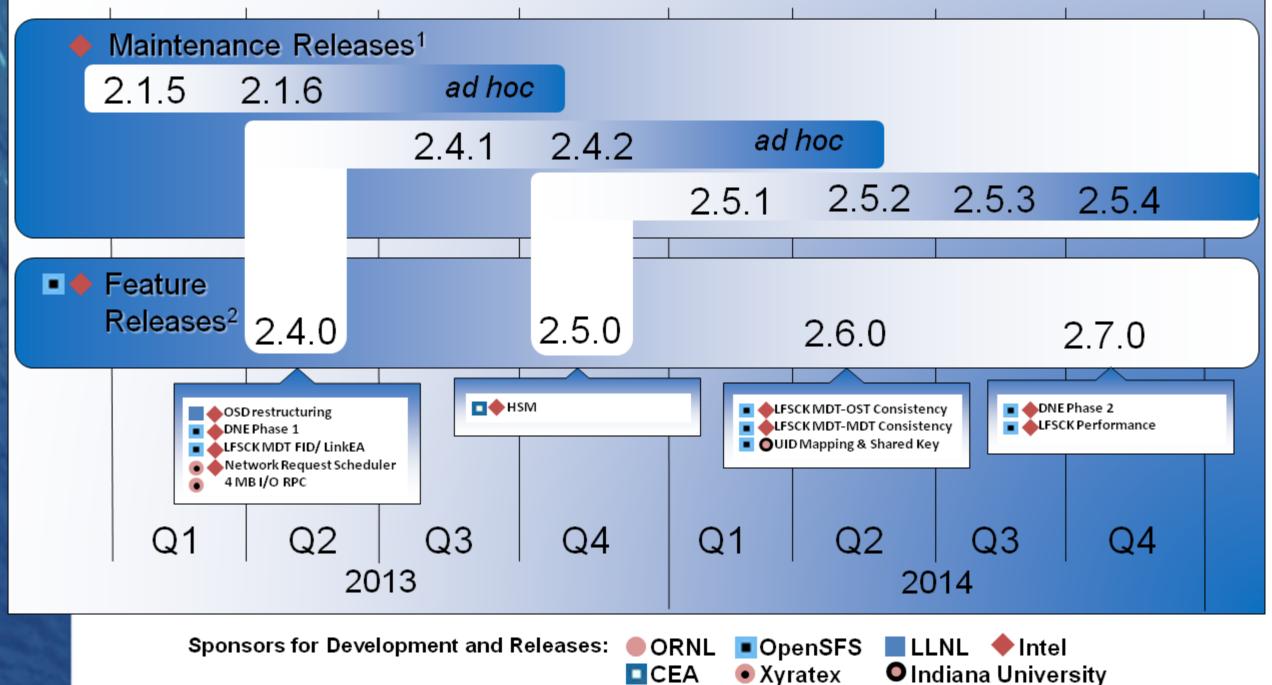
Brought To You By OpenSFS

Feature	Impact	Release
Server Stack SMP Scaling	Performance	2.3
Online check/scrub	Reliability	2.3
Distributed NamespacE (DNE 1)	Performance/Scalability	2.4
LFSCK MDT FID/LinkEA	Usability/Reliability	2.4
FSCK MDT-OST Consistency	Usability/Reliability	2.5
DNE Phase 2	Performance/Scalability	2.7
LFSCK MDT-MDT Consistency	Usability/Reliability	2.6
UID Mapping & Shared Key	Usability	2.6



Community Lustre Roadmap





Maintenance releases focus on bug fixes and stability. Updates to the current version are made at 3 month intervals. Updates to past versions will be made on an ad hoc basis.

Xyratex



² Feature releases focus on introducing new features. New release versions are expected at 6 month intervals. New maintenance versions from the feature release stream are anticipated at 18 month intervals.

New Initiative for 2014

- Fostering broader participation in Lustre community releases
 - > Gatekeeping, release management, development, testing
- Laying the groundwork to transition to a volunteer community model
- Leveraging our strong vendor commitment and partnership with EOFS members to make this happen

Fostering a strong and diverse ecosystem of open source development



Get Involved!

- Encourage your organization to join OpenSFS
- Actively participate in an OpenSFS working group
- Contribute to the Lustre file system (contribute documentation; testing, testing, and more testing; bug fixes, features)

Help shape the future of Lustre!



OpenSFS at SC13

Booth #4125

Conference Events

http://www.opensfs.org/events/scl3

Lustre BOF

Tuesday, November 19th,

12:15pm to 1:15pm

Rooms 405/406/407



Thank you!

