



OpenSFS Update

Charlie Carroll

VP, Storage R&D

Cray Inc.

What Is OpenSFS?

- OpenSFS is a vendor-neutral, member-supported, non-profit organization bringing together the open source file system community for the high performance computing (HPC) sector
- Our mission is to aggregate community resources and be the center of collaborative activities to ensure efficient coordination of technology advancement, development and education
- The end goal is the continued evolution of robust open source file systems for the HPC community

Recent Accomplishments

- Lustre 2.7 released
 - MDT-MDT consistency verification
 - Dynamic LNet configuration
 - OST placement
 - UID/GID mapping
 - DNE striped directory preview
- Lustre 2.8 released
 - Lfsck phase 4 ★
 - DNE phase 2 ★
 - Client metadata RPC scaling
 - RHEL 7.2 server support
- Lustre client accepted into the Linux kernel
- Development contracts completed
 - Dev 001 – DNE and Lfsck
 - Dev 004 – CLIO

Community Involvement and Interest

- LUG 2016 – 170 people
- Largest survey response ever
- Highest number of developers (92) contributed to Lustre 2.8
- Developer Day attendance
 - Yesterday's Developer Day was maxed out
- Andreas's slide on research efforts at universities around the world
- BOF at SC 2015 in Austin

Standing Room Only Crowd at SC15 BOF



OpenSFS Membership: Facts and Figures

Founded in 2010 by Cray, Livermore, Oak Ridge and DDN

- 2 Promoters (\$300,000)



- 5 Adopters (\$50,000)



- 16 Supporters (\$5,000)



Go, Lustre!

Open Scalable File Systems, Inc.

3855 SW 153rd Drive
Beaverton, OR 97003
Ph: 503-619-0561
Fax: 503-644-6708
admin@opensfs.org



www.opensfs.org

EOFS

Overview, Objectives and Activities

Frank Baetke

EOFS Chairman

Hewlett Packard Enterprise

Overview

- Non profit organization funded in 2010
- Purpose is to promote and improve open source parallel filesystems.
- 20 members



Specific Goals 2016

- To further develop EOFS as a true user group organization for sites, developers and vendors with interest in Open File Systems
 - EOFS is not only focused on LUSTRE but also encompasses other filesystems like BeeGFS or E10
- To provide input and feed-back concerning future features and enhancements to actual or de-facto owners of source-trees.
- To leverage major HPC events to promote open file-systems
 - EOFS will leverage ISC 2016
 - EOFS / OpenSFS will jointly manage a LUSTRE BoF at ISC 2016 (Chaired by Frank Baetke, HPE and Charlie Carroll, Cray)
- As EOFS together with OpenSFS jointly owns www.lustre.org it is currently refurbishing the EOFS websites to better clarify the role of its web-site and activities vs. lustre.org.
- EOFS will further enhance its relationship with EU organizations

LAD'16: Save the date!

LUSTRE ADMINISTRATOR & DEVELOPER WORKSHOP 2016

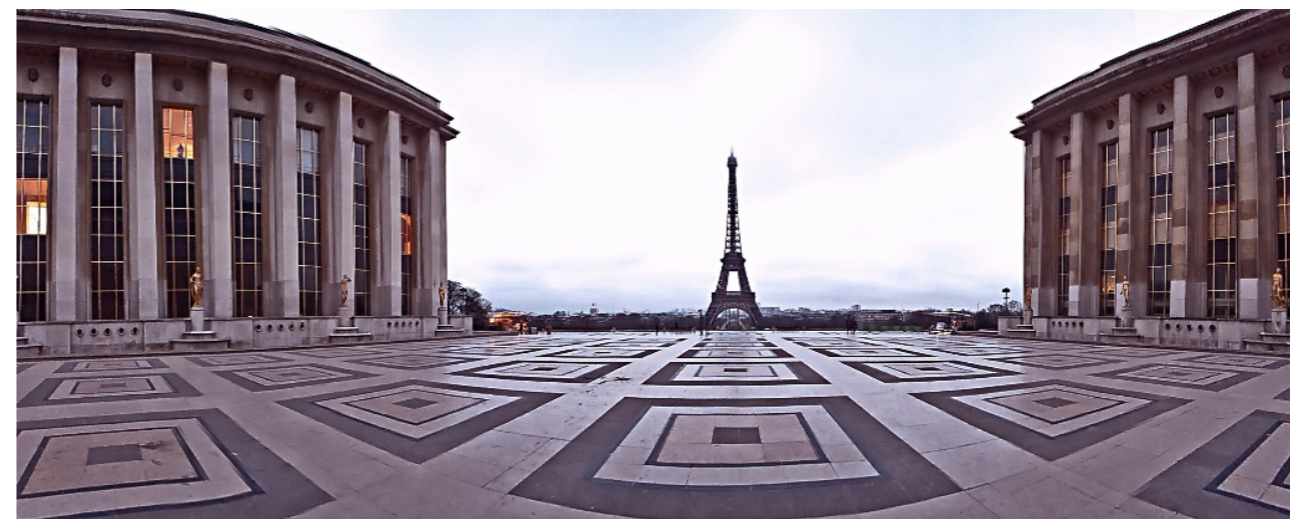
This year LAD is in Paris again, in a wonderful place right next to the Eiffel tower!

2-day event dedicated to Lustre administration and development.



September, 20-21, 2016

**At Hôtel Renaissance
Trocadero, Paris**



LAD'16: Save the date!

- Talks are welcome!
- All information on:



www.eofs.org/?id=lad16

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Thank you!