

# European Open File System SCE

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# Overview

- Founded 15<sup>th</sup> Dec 2010 in Munich as a **Non-Profit** organisation
- Legal form : **Societas Cooperativa–Europaea** (SCE)
  - Valid since 18/08/2006 in all European members states.
  - Members can be user and investor (non-user)
- The purpose of the European Open File System SCE is the promotion and servicing of the member's needs.
- Web site will be launched soon: [www.eofs.org](http://www.eofs.org)

# Foundation meeting of the EOFS Dec, 15th, 2010 in Munich

## Founding members:

Bull GmbH  
CEA  
credativ GmbH  
Data Direct Networks  
Forschungszentrum Jülich  
GSI  
Hewlett-Packard GmbH  
HPCFS  
Leibniz Rechenzentrum  
ParTec CCC GmbH  
T-Platforms  
Universität Zürich  
Universität Paderborn  
Whamcloud

- **Directors of the Administrative Council:**
  - Hugo R. Falter (ParTec CCC GmbH)
  - Jacques-Charles Lafoucriere (CEA)



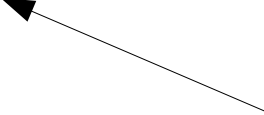
## Board members of the Administrative Council:

Arndt Bode (LRZ)  
Johannes Diemer (HP)  
Jean Gonnord (CEA)  
Eric Monchalin (Bull)  
Walter Schön (GSI)  
Klaus Wolkersdorfer (FZ  
Jülich)

# Goals

- To **promote** the establishment and adoption of **open source parallel file systems**, sustain and enhance its quality, capabilities and functionality and ensure that specific requirements of European organizations, institutions and companies are upheld.
- To facilitate the extension of business operations to non-members.
- To initiate projects or to **collaborate with existing projects** at regional, national, European and international level in order to support Research&Development activities concerning **Open File Systems**.
- To ensure that engagement and activities with other organizations will not directly or indirectly interfere with the intellectual property or other contractual and legal obligations of its members.
- To **operate as a non-profit organization**.

# GA meeting March, 22nd, 2011

- New members  
EUROTECH S.p.A., Italy  
Xyratex Technology Limited, United Kingdom  
  
Peter Braam's company
- Cooperation with  
Rechenzentrum Garching der Max-Planck-Gesellschaft,  
Germany

**EOFS agreed on the following and decided on March 22nd, 2011:**

- We all agree on **one repository** for Lustre
- We fully support the upcoming 2.1 community release of Lustre®.  
(provided by Whamcloud)
- We acknowledge our members efforts to continue **contributing** to the further development and support of Lustre and **add features/patches to the single repository.**
- We encourage further contribution.

# The Lustre Open Source Community

- **HPCFS** : [www.hpcfs.org](http://www.hpcfs.org) , will merge with opensfs  
Members are Fermilab, SLAC, NASA, Chevron/Texaco, Intel .....
- **OpenSFS** : [www.opensfs.org](http://www.opensfs.org) Consortium led by LLNL, ORNL,  
*DDN and Cray*
- **EOFS** : [www.eofs.org](http://www.eofs.org) (will be launched after HEPIX)  
European Initiative

## **LUG: Lustre user group**

- Continued to organise meetings
- Last meeting Orlando, April 2011

# The future of Lustre® \*

- Lustre already dominates the TOP 500 (June 2010) at the top 100 Systems
- Next release will be lustre 2.1 provided by Whamcloud (summer 2011)
- At LUG (Orlando, April 2011):
  - Merging of HPFS and openSFS
  - Close relationship/cowork between openSFS and EOFS

reports and interviews from LUG at <http://insidehpc.com>

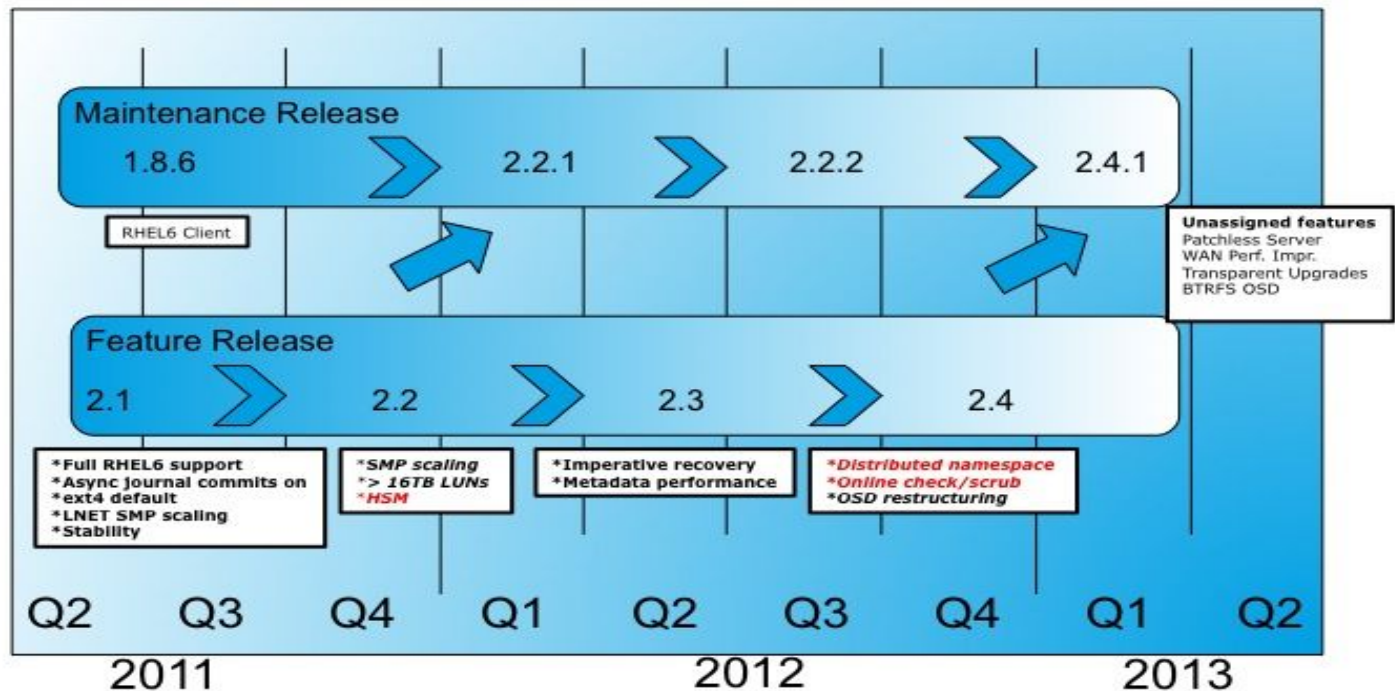


# Lustre project list

- EOFS members agreed on a list of Lustre improvements.
- Some of this improvements are or will be developed/tested by EOFS or openSFS/HPCFS members

<http://wiki.whamcloud.com/display/PUB/Whamcloud+Lustre+Roadmap>

## Roadmap (wiki.whamcloud.com)



# European Lustre Workshop

## EOFS will organize a Lustre workshop

- 2 days, in Paris, in the second half of September, 2011
- Will focus on user exchange:
  - Technical presentations
    - *Projects and software around Lustre*
  - Sysadmin feedback on Lustre systems
    - *Issues and solutions*
- Vendors technical presentations are welcome.
- Non limited to European sites.

# Join the Community

Encourage HEPIX sites to join either

OpenSFS/HPCFS or  
EOFS

.....to support a vendor independent cluster file system

For questions according EOFS: contact me .....

Thanks to Aurelien Degremont and Hugo Falter for providing  
some valuable transparencies