



# OpenSFS Update

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Japan LUG

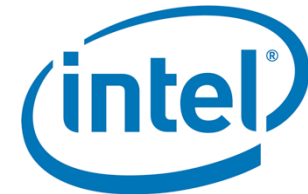
Tokyo October 2013

# What Is OpenSFS?

- OpenSFS was founded in 2010 to ensure that the Lustre<sup>®</sup> filesystem remains vendor-neutral, open, and free.
- Open Scalable File Systems, Inc. is a strong and growing nonprofit organization dedicated to the success of the Lustre file system.
- OpenSFS has been responsible for advancing the Lustre file system and delivering new releases on behalf of the open source community.

# Who Are We?

## Promoters



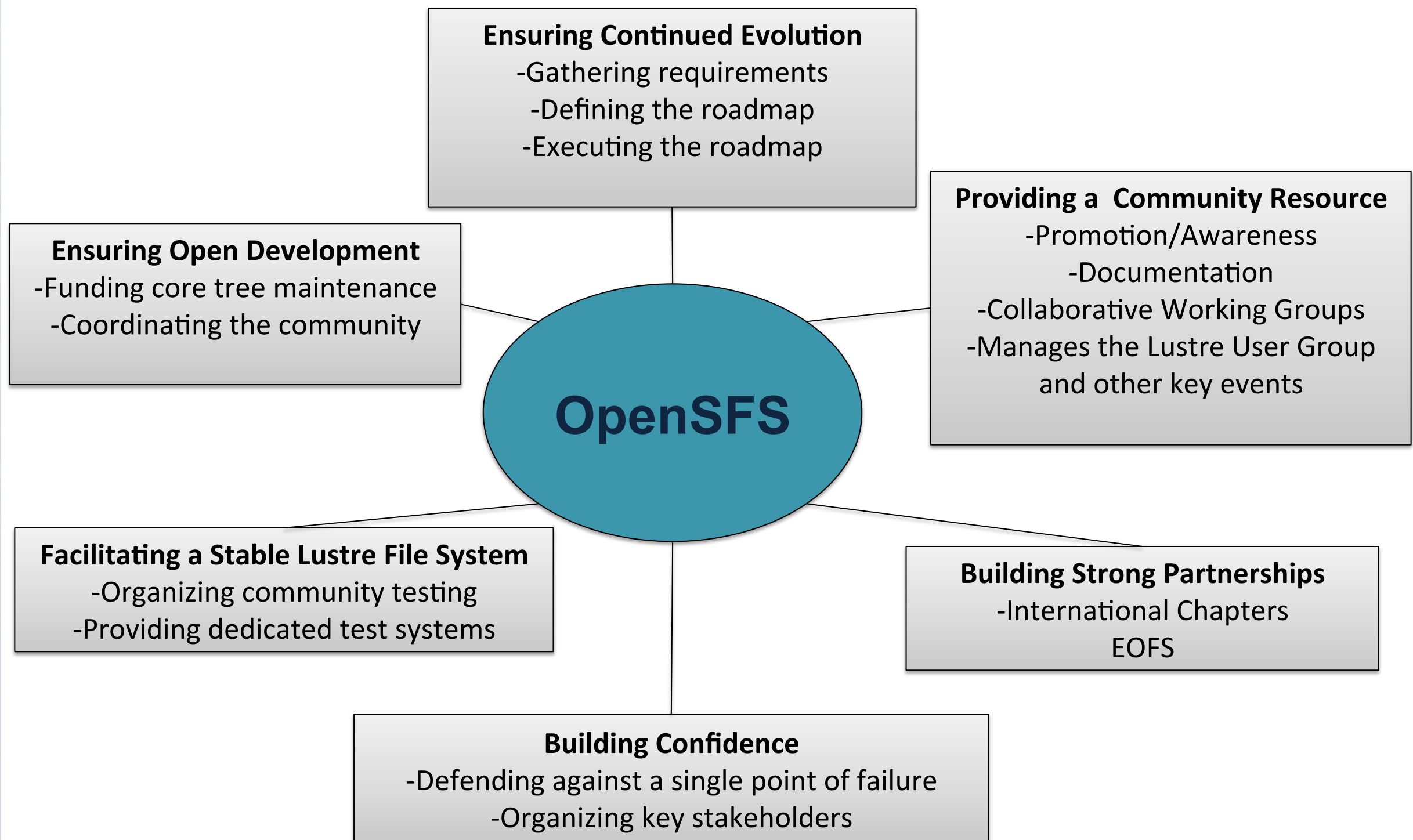
## Adopters



## Supporters



# Ecosystem for Open Source File Systems

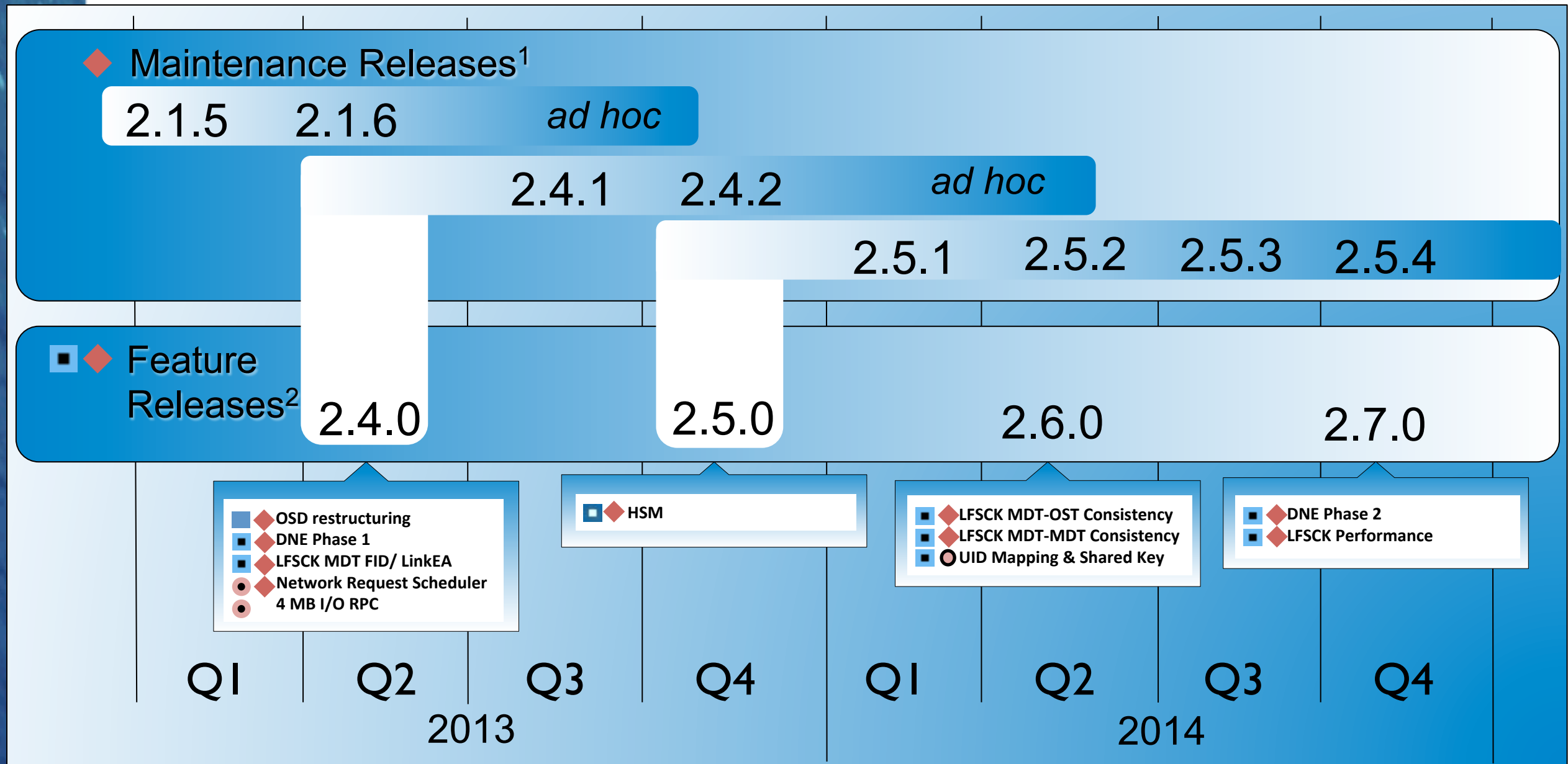


# Community Working Group Model

- Benchmark Working Group
  - Define tests to evaluate system performance and scalability
- Community Development Working Group
  - Collaboration relating to releases of the Lustre file system
- Marketing Working Group
  - Focus on promotional aspects and event management
- Technical Working Group
  - Gather requirements; propose and manage development projects
- WAN Working Group
  - Coordinate use cases and features for wide area usage of the Lustre file system



# Community Lustre Roadmap



**Sponsors for Development and Releases:** ORNL, OpenSFS, LLNL, Intel, CEA, Xyratex, Indiana University

<sup>1</sup> 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.

<sup>2</sup> 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.



# Recent Achievements

- Funding towards major releases of Lustre
  - Lustre 2.2, 2.3, 2.4 and 2.5
- Funded development of new features
  - Server Stack SMP Scaling, DNE, LFSCK available already
  - Further development to come
    - More DNE, LFSCK; IU contract; new designs in progress
- Organized community events
  - Run annual LUG in USA since 2011
  - Hosted this event and a similar one in Beijing on Tuesday
- Invested in OpenSFS websites
  - <http://www.opensfs.org> for press releases, news, events
  - <http://lustre.opensfs.org> to download releases, access documentation, check roadmap etc

# How Can You Get Involved?

- Encourage your organization to join OpenSFS
- Actively participate in an OpenSFS working group
- Contribute to the furtherance of the Lustre file system
  - Documentation/Testing/Code
- Promote OpenSFS and the Lustre file system
  - Include links to <http://lustre.opensfs.org> on your website
  - Follow us on Twitter @opensfs
- Attend upcoming OpenSFS events
  - Join us at SC in Denver November 18-21<sup>st</sup>2013
    - “The Lustre® Community – At the Intersection of HPC and Big Data “  
November 19<sup>th</sup> 2013 12:15-1:15
    - Visit us at Booth #4125
  - LUG 2014 in Miami April 8-10<sup>th</sup> 2014 <http://www.opensfs.org/lug14/>





# Thank you

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