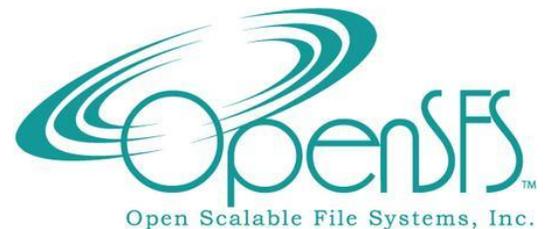# OpenSFS

## Open Scalable File Systems, Inc.

### Overview

OpenSFS is a non-profit technical organization focused on supporting high-end, open-source file system technologies and maintaining the open-source nature of such file systems. Formed in 2010, the organization provides a forum for:

- Collaboration among groups deploying file systems on leading-edge high performance computing systems
- Communicating future requirements to open-source file system developers
- Supporting file system releases

The group is driving the parallel file system roadmap with an initial focus on the Lustre parallel file system. Lustre supports many of the requirements of leadership-class high performance computing simulation environments and has a diverse open-source development community.

### Cray and OpenSFS

Cray is a founding member of the OpenSFS organization along with DataDirect Networks, Inc., Lawrence Livermore Laboratory (LLNL) and Oak Ridge National Laboratory (ORNL). The organization draws from over $2 million of combined funding to ensure substantial and sustained community benefit through advancing the stability, usability and scalability of sophisticated open-source file system technologies. Along with being instrumental to founding OpenSFS, Cray provides leadership on the Board of Directors as well as participating in several working groups.

### OpenSFS Activities

OpenSFS collaborates with two centers of excellence already established at ORNL and LLNL, and these centers work with each other and other OpenSFS collaborators on day-to-day activities. OpenSFS provides a collaborative environment in which requirements can be aggregated, distilled and prioritized, and development activities can be coordinated and focused to meet the needs of the broader Lustre community. In addition to these activities, OpenSFS holds an annual scalable file system workshop, as well as provide a variety of services (education and community outreach, testing, documentation and project management) to the community.

Working groups are the action and progress developers of OpenSFS. Each group is tasked with responsibilities to meet the goals of OpenSFS. Working groups are organized around the following: Lustre 2.1 testing/release, community development, technical, and wide area filesystem.

More information can be found online at www.opensfs.org.

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