OpenSFS Information

2:30   Introduction and overview – Norman Morse, CEO
2:40   Proposed Development Model for OpenSFS and Collaborations with Oracle Upstream – Eric Barton, CTO, Whamcloud, formerly Principle Engineer at Sun/Oracle where he served as Chief Architect of the Lustre group
3:10   Technical Working Group– John Carrier (Cray), Dave Dillow (ORNL), Galen Shipman (ORNL)
3:20   Release Planning Working Group – Keith Miller (DDN), John Josephakis (DDN)
3:30   Support Working Group – Pam Hamilton, Mark Seager LLNL
3:40   Discussion, Q&A
4:00   Adjourn

OpenSFS Founding Members: Cray, DDN, LLNL, ORNL

SuperComputing 2010
New Orleans, November 16, 2010

OpenSFS – Purpose

- Guarantee stability and continued availability of Lustre on Linux for HPC – future: Exa-scalability.
- CA non-profit, mutual benefit corporation founded by organizations who caused Lustre to be created – based on a model of successful open source foundations.   (Lawyers)
- Organize the Lustre community, gather and prioritize community support and development requirements, assemble funds and award contracts to third parties to satisfy community requirements.
- To enable and promote the adoption of developed technologies by a broader set of international HPC users and institutions.

OpenSFS Organization

Participants:
- Promoters ($500k)
- Adopters ($50k)
- Supporters ($5k)

Board of Directors:
1 per Promoter membership
1 proposed by Adopters & Supporters

Officers:
- President
- Secretary
- Treasurer

Nonmembers:
Contributors
Consultants

Current Participants: Cray, DDN, LLNL, ORNL, Indiana University, Whamcloud, others completing due diligence

Technical Working Group

Gather requirements, Generate SOWs, Work with contractors on technical requirements
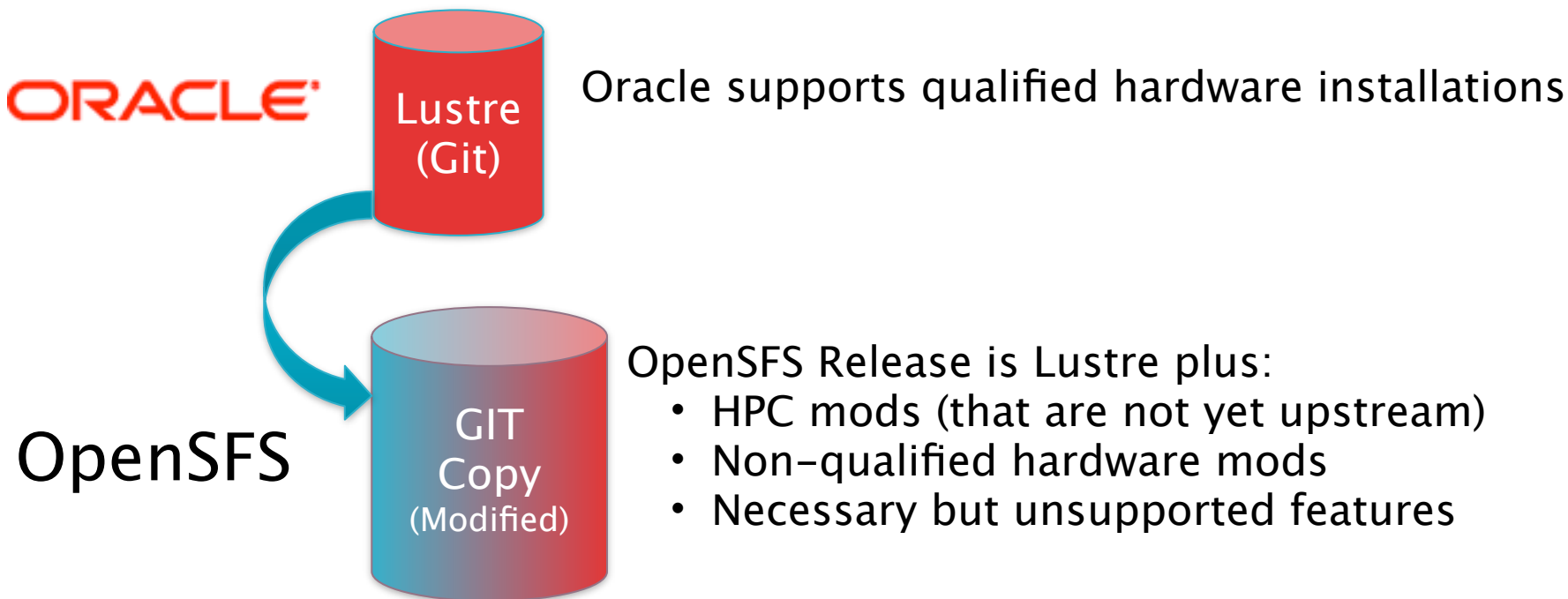
Support Working Group

Aggregation of Bug reports, Weekly Bug priorities, Daily bug fixes

Release Planning Working Group

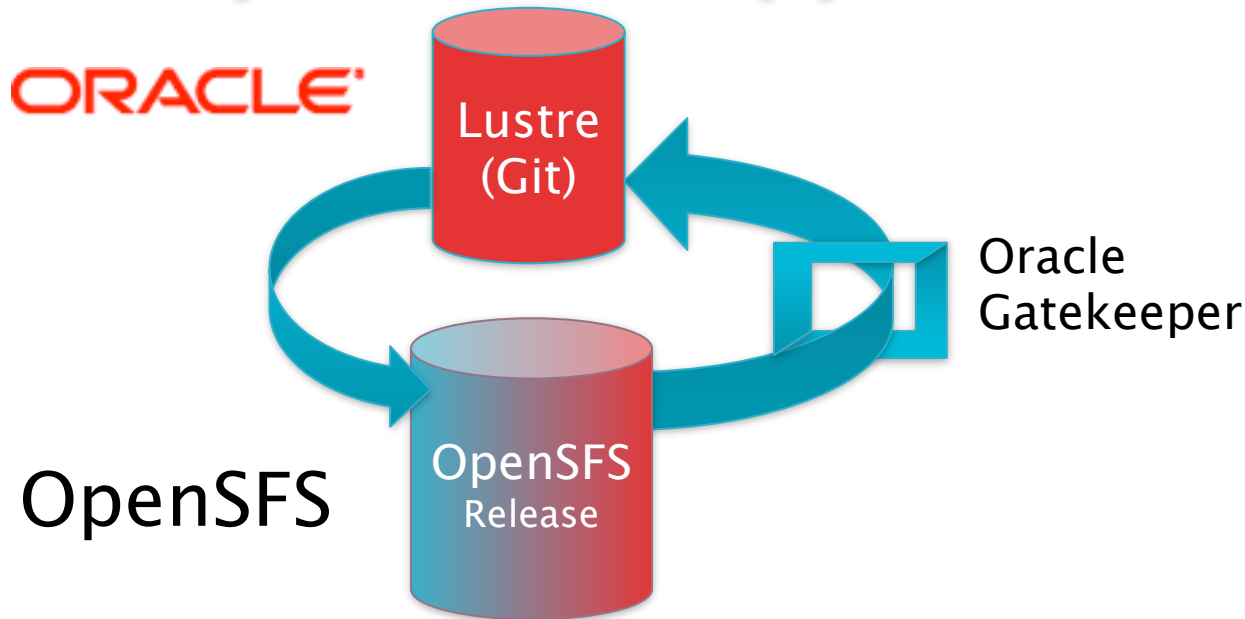Create detailed release schedules, Ensure testing and stability

Other Working Groups as necessary – Lustre on WAN, Communications…

OpenSFS release model based on what Cray, LLNL and ORNL already do

ORACLE®

Lustre (Git)

Oracle supports qualified hardware installations

OpenSFS

GIT Copy (Modified)

OpenSFS Release is Lustre plus:
- HPC mods (that are not yet upstream)
- Non-qualified hardware mods
- Necessary but unsupported features

This proven release model will enable a single HPC community release through OpenSFS collaborations

OpenSFS Collaboration with Oracle for upstream support

ORACLE®

Lustre (Git)

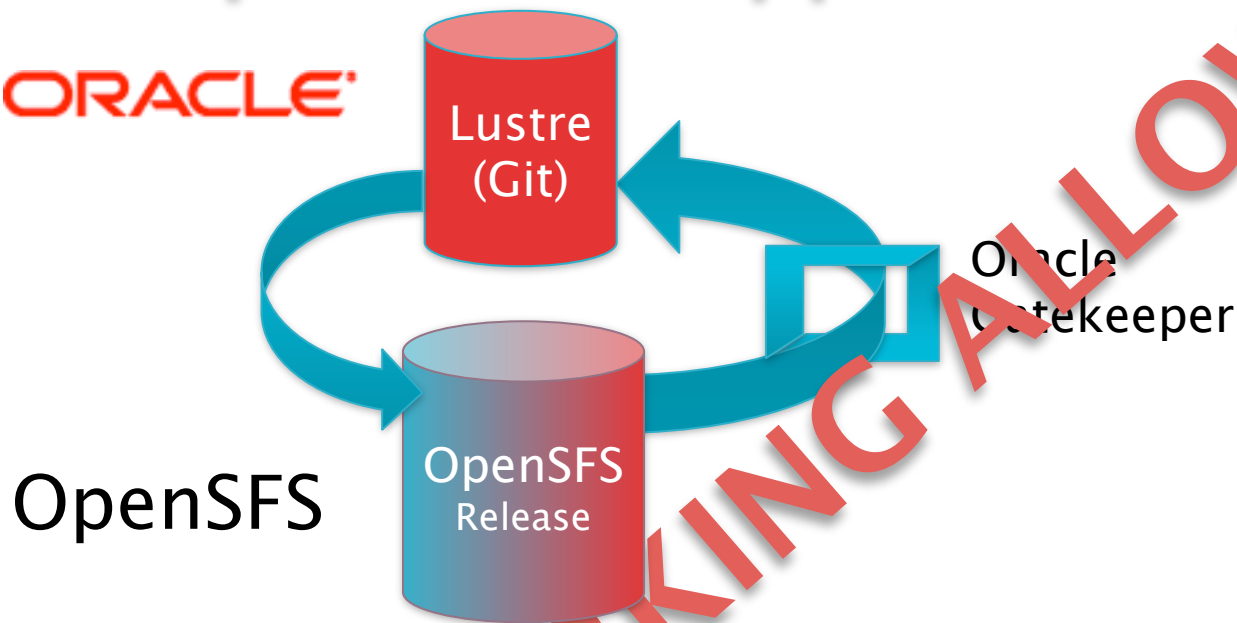Oracle Gatekeeper

OpenSFS

OpenSFS Release

OpenSFS strives to push all code modifications upstream.
- All member and contractor contributions confer copyright and patent license to OpenSFS
- OpenSFS releases mods GPL, retains and grants copyright and patent license to Oracle via the Lustre contributor agreement
- The gatekeeper at Oracle works with OpenSFS on acceptance

OpenSFS Collaboration with Oracle for upstream support

ORACLE®

Lustre
(Git)

Oracle
Gatekeeper

OpenSFS

OpenSFS
Release

NO FORKING ALLOWED!

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It's easy to join OpenSFS

Go to www.opensfs.org
Click the "participation" tab
Follow the directions for the level of participation that is right for
    your organization

Notice:
First OpenSFS
Lustre Community

»

Tuesday November 23, 2010 – 12pmE
517.308.1709 5282795

Check OpenSFS.org for agenda and please join us

For more information, e-mail "info@opensfs.org"

» Thank you for attending.

We encourage the Lustre community to join OpenSFS and help assure the continued availability of required open scalable file systems for HPC