



# Lustre.org – A Community Resource

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# Lustre.org Working Group

- Manages the lustre.org web domain and its associated content
- Joint effort between OpenSFS and EOFS
  - Aurélien Degrémont EOFS Liaison
- Wiki Page
  - [http://wiki.lustre.org/Lustre.org\\_Working\\_Group](http://wiki.lustre.org/Lustre.org_Working_Group)
- Mailing List
  - <http://lists.opensfs.org/listinfo.cgi/lustre.org-opensfs.org>

# Lustre.org

- Main Site (WordPress)
  - <http://lustre.org/>
- Lustre Wiki (MediaWiki)
  - <http://wiki.lustre.org>
- Mailing lists (Mailman)
  - lustre-announce
    - <http://lists.lustre.org/pipermail/lustre-announce-lustre.org>
  - lustre-discuss
    - <http://lists.lustre.org/listinfo.cgi/lustre-discuss-lustre.org>
  - lustre-devel
    - <http://lists.lustre.org/listinfo.cgi/lustre-devel-lustre.org>

# Old Lustre Wiki

- <http://wiki.old.lustre.org>
- Maintenance ended a few years ago
- Ongoing costs (runs on own VM)
- Agreement to not change it
- Useful information, but much out of date content in need of review
- Goal is retirement in the not-too-distant future
  - All old content will be preserved in downloadable form

# Wiki Migration Project

- To avoid confusion, notice now on every page of old wiki that information likely out of date
- [http://wiki.lustre.org/Lustre.org\\_Wiki\\_Migration](http://wiki.lustre.org/Lustre.org_Wiki_Migration)
  - Evaluating, reviewing, updating, and migrating old pages
- Progress made, but community participation crucial to complete the project

# HPDD Wiki Migration

- During the period the old wiki was static, the wiki at [wiki.hpdd.intel.com](http://wiki.hpdd.intel.com) took its place.
- Lustre.org Working Group coordinating with HPDD to find community applicable pages and potentially migrate to [wiki.lustre.org](http://wiki.lustre.org)

# Wiki Categorization Project

- Categorizing all wiki articles
  - [http://wiki.lustre.org/Lustre.org\\_Wiki\\_Categorization](http://wiki.lustre.org/Lustre.org_Wiki_Categorization)
- Surfacing categories to main page to aid in navigation and discovery
- Current categories
  - Administration :: Architecture :: Development :: Events :: FAQ :: Howto :: Internals :: LNET :: Monitoring :: Organizations :: Releases :: Testing :: Tools :: ZFS

# Build.lustre.org

- Recent work by LLNL
- OpenSFS hosted build farm
  - Currently targeting CentOS 6, CentOS 7, SLES 12, Ubuntu 12 and Ubuntu 14
- Hope to have locally built packages available on the lustre.org download section soon
- See “Improved Versioning, Building, Packaging, and Distribution of Lustre” talk by Christopher Morrone & Giuseppe Di Natale



# Doc.lustre.org

- Lustre Manual
  - Current web-crawable version always on lustre.org
  - [http://doc.lustre.org/lustre\\_manual.xhtml](http://doc.lustre.org/lustre_manual.xhtml)
- Understanding Lustre Filesystem Internals
- Lustre Protocol Documentation
- Additional Suggestions?

# Main Site

- What's Here
  - About Lustre, Getting Started, Documentation, Download, Roadmap, Development, Latest News
- Wiki
  - Main wiki categories surfaced to aid discovery
- Releases
  - Feature, Maintenance, and Currently Under Development
- Events
  - Upcoming & Recent

# Guides/How-tos

- Slated
  - Getting Started With Lustre
  - Basic Lustre Administration
  - Lustre Protocol
- Potential
  - Best Practices, Lustre Primer, Failover, Hardware Reference Design, Tuning, ZFS
- Your Help Needed
- Additional Suggestions?

# Wiki Integration

- Move more and more to the wiki over time.
  - Main site as jumping-off point
- Allows easier group collaboration on pages (e.g. Releases Roadmap)
- Visual differences between the sites, but will converge the [wiki.lustre.org](http://wiki.lustre.org) and [lustre.org](http://lustre.org) designs over time

# Lustre.org As Community Resource

- Collect as much of the community's hard-earned knowledge and wisdom in one place as possible
- Catalog and link to that which doesn't fit to host locally
- Work with the larger community and subject matter experts to review and expand site content
  - Many hands make light work
- Do you have internal documentation that you're willing to share?

# Contributing To The Wiki

- Request an account
  - Link at top-right corner of any wiki page
  - <http://wiki.lustre.org/Special:RequestAccount>
- If there's a topic you're interested in that doesn't exist, please create a page
  - Progress not perfection
- Robinhood Policy Engine example
  - Pointers to GitHub, Robinhood Wiki, Papers, Presentation slides and video

# Coalescing Information

- In general, the fewer places to look for community information the better
  - Lustre.org as jumping-off point and centralized location for documentation, downloads, etc.
  - Wiki for community-edited documentation
  - Mailing Lists & IRC for questions
- There may be value in considering additional options
  - Knowledge Base or Q/A style site
  - Community Forum

# Getting The Word Out

- Mailing lists and IRC great options for communication with existing users, but there are challenges for reaching new users.
- RSS? Planet Lustre?
  - RSS usage unfortunately seems to be in decline
- Social Media
  - Facebook
  - LinkedIn
  - Twitter



# Topic Ownership

- Serve as expert on topic
  - Help manage existing content
  - Help create new content
    - Guides, Wiki Pages, Creating FAQs from mailing list, etc.
- Current
  - Testing (Justin Miller)
- Needed
  - Administration, Architecture, Benchmarking, Build, Development, DNE, Failover, Internals, LNET, Migration, Monitoring, Recovery, Testing, Tools, ZFS, ...

# Why Get Involved?

- Altruistic Benefits
  - Your knowledge is valuable to the community
  - Help expand human knowledge
- Enlightened Self Interest
  - Available for the future you
  - Workforce development

# Get Involved

- “Own” a topic
- Create content
- Assist with the wiki migration
- Contribute applicable internal material to the community
- Subscribe to the LOWG mailing list and join the conversation

# Many Thanks

- Frank Baetke
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- Hugo Falter
- Jen Franklin
- Richard Friedman
- Richard Henwood
- Justin Miller
- Christopher Morrone
- Stephen Simms
- Andrew Uselton
- Lustre Working Group
- Everyone that has provided suggestions & feedback

# Topic Discussion

- High Level
  - Administration
  - Development
- Current
  - Administration, Architecture, Benchmarking, Build, Development, DNE, Failover, Internals, LNET, Migration, Monitoring, Recovery, Testing, Tools, ZFS
- Additions? Modifications?

# Moving Forward

- What areas are of most interest to you?
- What guides/how-tos would you most like to see?
- Existing suggestions for discussion
  - Knowledge Base or Q/A style site
  - Community Forum
  - Reducing barriers of entry to Lustre

# Thank you

- Join Us!
  - <http://lists.opensfs.org/listinfo.cgi/lustre.org-opensfs.org>
- Looking forward to further conversations over the course of the conference
- Feedback? Questions?