OpenSFS Community Development Working Group

- Coordinate various organizations’ development efforts
- Plan major releases
- Exchange testing results
Community Lustre Roadmap

- **Maintenance Releases**
  - 2.4.1
  - 2.4.2
  - 2.5.1
  - 2.5.2
  - 2.5.3
  - 2.5.4

- **Feature Releases**
  - 2.5.0
  - 2.6.0
  - 2.7.0
  - 2.8.0
  - Q3 2013
  - Q4 2013
  - Q1 2014
  - Q2 2014
  - Q3 2014
  - Q4 2014
  - Q1 2015
  - Q2 2015

**Sponsors for Development and Releases:**
- ORNL
- OpenSFS
- Intel
- DDN

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1 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.

2 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.
What about Lustre Version X?

• OpenSFS focusing on current & future versions
• 1.8.X, 2.1.X – See a Lustre support vendor
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Lustre 2.5.0

• Released Oct 30, 2013
• Starts new regularly scheduled Maintenance Release Branch
  – Takes over for 2.4.X line!
• Primary new feature: Hierarchical Storage Management (HSM)
Lustre 2.5.0 Commits Per Organization

15 Organizations
471 Total Commits
Lustre 2.5.0 Lines of Code Per Organization

102K Total Lines of Code
70 Unique Developers
471 Total Commits
## 2.5.0 vs. Other Lustre Versions

<table>
<thead>
<tr>
<th>Lustre Version</th>
<th>Commits</th>
<th>LOC</th>
<th>Developers</th>
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<tbody>
<tr>
<td>2.1.0</td>
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<td>92K</td>
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<td><strong>471</strong></td>
<td><strong>102K</strong></td>
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<td>2.6.0 (Mar 28, 2014)</td>
<td>534</td>
<td>94K</td>
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</table>
70 Unique Developers
471 Total Commits
Lustre 2.5.0 Lines of Code Per Developer

102K Total Lines of Code
Lustre 2.6.0

• Feature freeze was February 28, 2014
• Code freeze target is April 30, 2014
• Target release date is May 31, 2014
Lustre Survey 2014

- 3rd Annual Lustre Survey
- 76 People Completed Survey
  - 73 in 2013
  - 90 in 2012
- Strong Lustre 2.4.X uptake!
  - 33 using 2.4.X
  - 29 using 2.1.X
  - 37 using 1.8.X
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More Information

• wiki.opensfs.org/CDWG
• wiki.opensfs.org/Lustre_Community_Survey
• wiki.opensfs.org/Lustre_2.6.0