OpenSFS Survey May/June 2012 Results

Background

A survey was developed and finalized at the CDWG meeting at LUG. Its intention was to collect information about Lustre usage across the community as input into the OpenSFS long-term support strategy.

Key Findings

- 90 people completed the survey
- Case for adding Scientific Linux to official support matrix
- External OFED widely used; suggests that this should be given more focus during testing
- Only 36% of respondents have formal support arrangements in place

Detailed Findings

1. Which version(s) of Lustre are you running in production today?

This question allowed multiple selections so the sum can exceed the total number of respondents.

Lustre Version	Percent	Count
Lustre 1.4.x or earlier	1.10%	1
Lustre 1.6.x	9.20%	8
Lustre 1.8.0-1.8.5	37.90%	33
Oracle Lustre 1.8.6/1.8.7	11.50%	10
Whamcloud Lustre 1.8.6-wc1/1.8.7-wc1	65.50%	57
Lustre 2.0.x	3.40%	3
Lustre 2.1.x	20.70%	18
Lustre 2.2.x	8.00%	7

3 respondents skipped this question.

As expected, the majority of respondents are running a relatively recent 1.8.x release; however, there are already a significant number of sites running 2.x releases.

Those who selected "other" just did so to elaborate on their Lustre usage relating to one of the provided options.

2. Which Linux distribution(s) do you run in production for your servers?

This question allowed multiple selections so the sum can exceed the total number of respondents.

Distribution	Percent	Count
RHEL 6.x	20.50%	16
CentOS 6.x	30.80%	24
RHEL 5.x	34.60%	27
CentOS 5.x	50.00%	39
SLES 11	11.50%	9
SLES 10	2.60%	2

12 respondents skipped this question

Other options indicated – 9 Scientific Linux; 4 Ubuntu; 2 Debian; 2 RHEL/CentOS 4.x; 1 Fedora

3. Which Linux distribution(s) do you run in production for your clients?

This question allowed multiple selections so the sum can exceed the total number of respondents.

Distribution	Percent	Count
RHEL 6.x	35.10%	27
CentOS 6.x	44.20%	34
RHEL 5.x	35.10%	27
CentOS 5.x	45.50%	35
SLES 11	27.30%	21
SLES 10	10.40%	8

13 respondents skipped this question

Other options indicated – 10 Scientific Linux; 4 Ubuntu; 2 Debian; 4 Fedora

4. Do you use OFED within your organization?

This only permitted a single selection so the sum of respondents should equal the total number of respondents.

OFED usage	Percent	Count
In-kernel version only	18.00%	16

Rebuild with an external version of
OFED   28.10%   25
Both in-kernel and external OFED   31.50%   28
We do not use OFED   22.50%   20

1 respondent skipped this question

5. How long has your organization been using Lustre?

This only permitted a single selection so the sum of respondents should equal the total number of respondents.

Lustre Usage	Percent	Count
Still evaluating	3.40%	3
Less than 1 year	4.50%	4
1-3 years	15.70%	14
Over 3 years	76.40%	68

1 respondent skipped this question

6. Which category best describes your organization?

This only permitted a single selection so the sum of respondents should equal the total number of respondents.

Category	Percent	Count
Commercial	14.90%	13
Education	20.70%	18
Integrator	4.60%	4
Research	52.90%	46
Storage Vendor	6.90%	6

3 respondents skipped this question

7. What region(s) is your organization based?

This question allowed multiple selections so the sum can exceed the total number of respondents.

Region	Percent	Count
Americas	55.60%	50
Europe	44.40%	40

Asia-Pacific	15.60%	14
Africa	2.20%	2

All respondents completed this question

8. What best describes your Lustre support situation?

This only permitted a single selection so the sum of respondents should equal the total number of respondents.

Support Arrangements	Percent	Count
We have formal Lustre support arrangements in place with another organization	36.00%	32
We used to have formal Lustre support arrangements in place with another organization but they have lapsed	4.50%	4
We use the community mailing lists for support	28.10%	25
We self-support	30.30%	27
We do not have Lustre problems so do not need support	1.10%	1

1 respondent skipped this question

9. Which organization do you represent?

67 Answered this question; 23 skipped it. Only one duplicate organization was reported.

10. If not already a member, what would make your organization more likely to join OpenSFS?

60 respondents skipped this question.

Of those that responded: 7 mentioned a factor outside of OpenSFS control as being significant; 6 indicated that they were in the process of joining; 4 indicated that they would need to know more about the work of OpenSFS; 4 indicated that the fees would need to be lowered; 3 mentioned already being a member; 3 mentioning needing more value-add from membership