

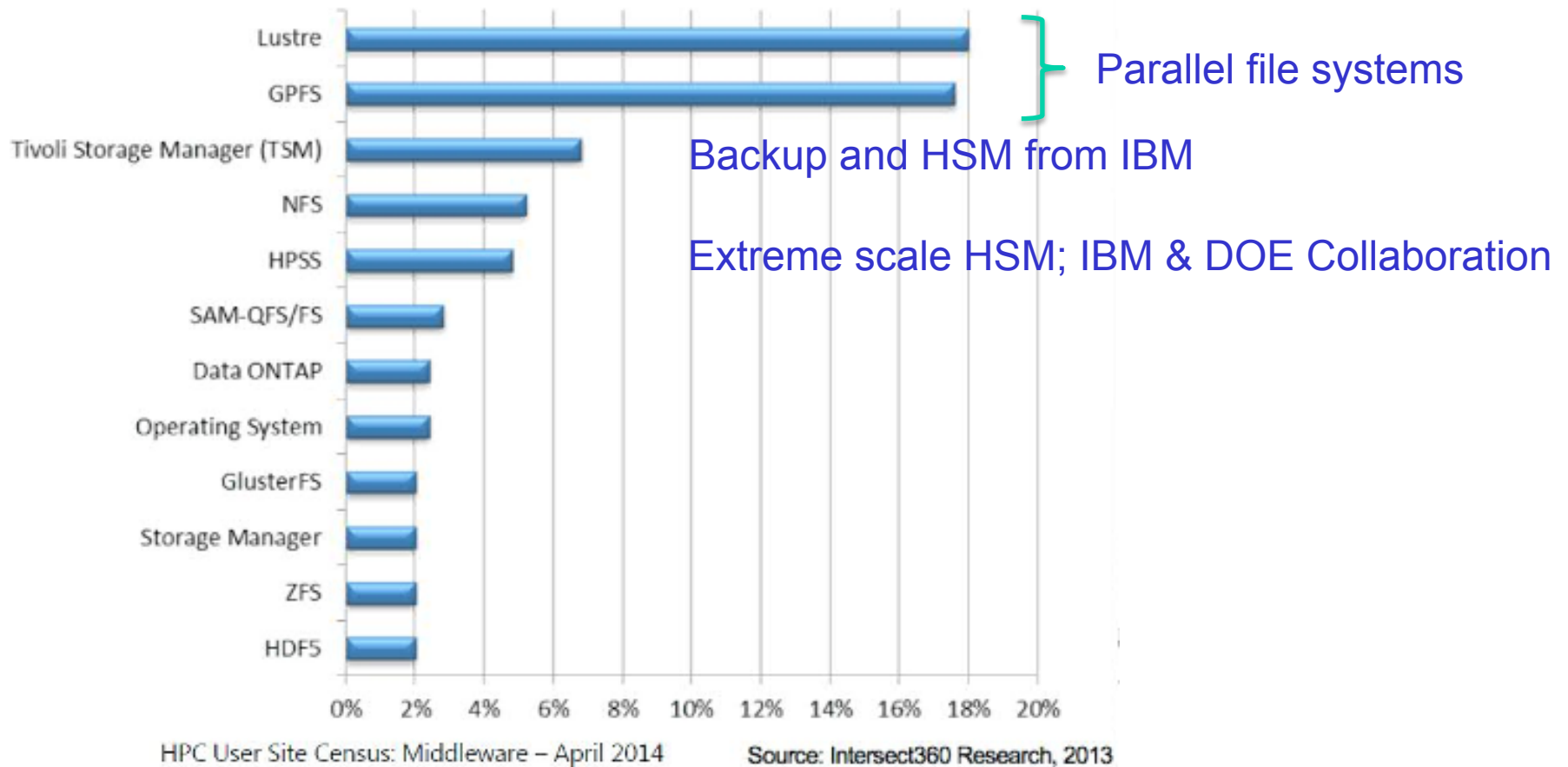
An HPSS Update for MSST 2015



Jim Gerry
June 2nd, 2015

Intel reports to Lustre User Group

Figure 12: Top Storage Management Software Provided by Surveyed HPC Sites
N=246 mentions



HPSS Advantages...

- Best of breed for tape:
 - Extreme scale performance for small and large files to tape.
 - Reduced cost of tape redundancy using HPSS RAIT.
 - Recommended Access Order (RAO) support for extreme-performance tape recalls.
- Low overhead end-to-end data integrity and validation.
- DB2 protected metadata with field proven FAST disaster recovery.
- One flat fee for extreme scale capacities.
- 20+ year track-record of actually managing extreme scale file repositories.

HPSS Happenings

- HPSS object storage:
 - OpenStack Swift & Keystone + HPSS integration.
 - Automatic HPSS Class of Service (COS) selection.
 - MD5 checksum support for HPSS end-to-end data integrity support.
- NEW DB2 online metadata migration now in use for HPSS software upgrades needing metadata changes.
- NEW trashcan feature in production.
- Production deployment of NEW features:
 - HPSS End-to-end data integrity; and
 - Recommended Access Order (RAO) support for extreme-performance tape recalls.
- HPSS 7.5 in production-readiness testing.

Thank you...

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