HPC User Site Census: Storage Suppliers

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EXECUTIVE SUMMARY

This report, part of our HPC User Site Census series, provides an examination of the suppliers of storage systems installed in a sample of High Performance Computing (HPC) user sites. Intersect360 Research surveyed a broad range of users about their current computer system installations, storage systems, networks, middleware, and supporting software. The resulting data is presented in a series of reports throughout the year, each describing different aspects of the HPC end-user landscape.

Key findings of the survey include the following:

- Storage capacity continues its onward and upward trend. Aggregate site-level storage capacity reported at 385 sites reached 1.9 exabytes, about two and a half times the site-level storage capacity reported in 2012.

- Installations of petabyte or larger storage systems are increasing and account for 31% of all storage systems reported. The top three most frequently reported capacities were two petabytes, one petabyte, and 100 terabytes.

- DataDirect Networks (DDN) had the largest share with 13.9% of survey responses, followed by IBM with 11.8%. All other suppliers had less than 10% share of reported storage systems. No vendor dominated every sector, region or capacity.

- About 4.7% of the reported storage systems were identified as cloud-based systems, including both public and private cloud. Amazon continues to be the primary supplier of cloud-based storage services to the HPC community.