Academic Research
United States

Harvard University Faculty of Arts & Sciences Research Computing

Advancing research with a liquid-cooled supercomputer.

Solution components

Hardware

- Lenovo NeXtScale n1200 WCT Enclosure
- Lenovo ThinkSystem SD650 with 2nd Gen Intel® Xeon® Scalable processors

Software

- CentOS
- Puppet
- Slurm Workload Manager

Services

- Lenovo Professional Services – Installation Services

Harvard University's Faculty of Arts & Sciences Research Computing (FASRC) facilitates the advancement of complex research by providing leading-edge computing services. With a new high-performance computing cluster based on Lenovo ThinkSystem servers, 2nd Gen Intel® Xeon® Scalable processors and Lenovo Neptune™ liquid cooling technology, FASRC can deliver four-times greater performance with only a 50% increase in power consumption[1], accelerating workloads and supporting ground-breaking research.

> "FASRC is dedicated to furthering research and we are confident that as demand for HPC resources continues to grow, the Lenovo system will support us for years to come."

Scott Yockel,
University Research Computing Officer,
Harvard University

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[1] 4x performance increase over previous Intel® Broadwell nodes. Data provided by Harvard University Faculty of Arts & Sciences Research Computing.