

The Top of All Things in HPC, 2016 Site Census Snapshot Analysis

January 2017



Intersect360
R E S E A R C H

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Summary

- The purpose of this report is to provide the top suppliers, packages, or categories within specific segments.
- Dell EMC's and HP Enterprise's shares increased in the 2016 survey. We expect HP Enterprise's share to increase more in 2017 with the inclusion of SGI.
- NVidia continues to dominate the accelerator market.
- Mellanox gained share of mentions in every locale for system interconnect and networks, with storage showing the largest gain.
- Middleware profile remained consistent with the prior year with programming environment, job management, and compilers being the top three subcategories.
- Top five ISV application packages and the top five Open Source application packages remained the same between 2015 and 2016.

TECHNOLOGIES COVERED IN THIS REPORT

- HPC system elements
 - Systems, clusters
 - Server technologies
- Storage elements
 - Storage systems
- Interconnect elements
 - System interconnects
- Software elements
 - Operating systems
- Services
- Cloud computing, grid computing, utility computing

COMPANIES MENTIONED IN THIS REPORT

Adaptive Computing
Altair Engineering
Altera
Amazon Web Services
AmberMD.org
AMD
ANSYS
Apache.org
CERN
COMSOL
Cray
Dassault Systems
DataDirect Networks
Dell EMC
Exelis
Gaussian, Inc.
GiDEL
GNU.org
Gromacs.org
Hitachi Data Systems

HP Enterprise
IBM
Illumina
Intel
Iowa State University
Lenovo
LSTC
Mathworks
Mellanox
Microsoft
MSC Software
NCAR
NCBI
NetApp
NVIDIA
OpenFoam Foundation
OpenMPI.org
Oracle
Panasas
Paraview.org
PNNL

Q-Chem
Quantum-espresso.org
Sandia Nat Lab
SAP AG
SchedMD
Schrodinger
SCM
Seagate
SGI
Siemens
Supermicro
U of Illinois, UC
U of Vienna
Univa
Xilinx