



## HPC Market Leader Takes Aim at Big Compute—Big Data Convergence

April 04, 2016

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### IDC's Quick Take

Hewlett Packard Enterprise (HPE) emerged from 2015 as the clear revenue leader in the worldwide market for high-performance computing (HPC) servers, with a market share of 35.9% in this overall market and an even higher 41.1% in the supercomputers segment for HPC server systems selling for more than \$500,000 each. In both cases, HPE's share was more than double that of its next-nearest rival. The company captured the leadership position with a strategy combining a long-term corporate commitment to HPC, a strong embrace of open standards, expanded HPC R&D innovation (e.g., HPE Apollo), and strong and deepening expertise in HPC-reliant domains. Now HPE is [upping the ante](#) with its comprehensive portfolio of HPE Apollo purpose-built platforms and related solutions aimed squarely at the rapid convergence of big compute and big data — especially industry-specific requirements. Initial solutions are aimed at the financial services, oil and gas, and life sciences sectors.

### Product Announcement Highlights

HPE is addressing the big compute—big data convergence with an expanded lineup of server and storage offerings for the related HPC, deep/machine learning, and nascent Internet of Things (IoT) markets, with tailored solutions for financial services, oil and gas, and the life sciences. Highlights of this portfolio are the HPE Apollo 6500 deep learning platform, which has 4U server nodes that can hold up to 8 NVIDIA GPU cards; the HPE Apollo 4520 high-density, high-scalability, high resiliency storage server, which can be outfitted with an Intel Enterprise Edition for Lustre variant or open source Lustre; the HPE Trade and Match Server optimized for superior high-frequency financial trading (HFT) performance; the HPE Risk Compliant Archive for simple, efficient regulatory compliance management in financial services; and the HPE Moonshot Trader Workstation designed to maximize trader experience and productivity while lowering TCO.

### IDC's Point of View

IDC believes that the new, expanded portfolio of platforms and solutions, driven by the company's successful market strategy, positions HPE to benefit strongly from the IDC-forecast robust growth of the worldwide HPC market from \$21 billion in 2015 to \$31 billion in 2019. IDC further believes that HPC market leadership will also give HPE an important leg up in the related markets for enterprise big data, cloud computing, and the IoT.

It's no accident that the new edition of *A Strategy for American Innovation*, made public by President Obama on October 21, 2015, named HPC as one of the top investment priorities for growing the U.S. economy. A key role for HPC cited in *A Strategy for American Innovation* is to address "the rise of extremely large data sets and attendant computational challenges." We think HPE is on track not only to benefit from this opportunity but also to help drive it.

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