



White House Strategy for American Innovation Names HPC as a Top Investment Priority

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The new edition of *A Strategy for American Innovation*, made public by President Obama on October 21, 2015, named high-performance computing (HPC) as one of the top investment priorities for growing the U.S. economy.

The document, which replaces a 2011 version, notes that "advances in high-performance computing (HPC) have the ability to improve public services, grow the economy, improve the health and safety of communities, and promote scientific discovery." Another key role for HPC cited in the *Strategy* document is to address the most demanding big data problems, "the rise of extremely large data sets and attendant computational challenges."

The *Strategy* document follows President Obama's July 29 executive order establishing the [National Strategic Computing Initiative \(NSCI\)](#), a multiyear federal vision and investment strategy to maintain and advance America's HPC leadership. The NSCI vision centers on the moonshot-like goal for America to deliver exascale computing capability as competing nations and global regions race toward the same objective. In September, IDC organized the [first public forum on NSCI](#) at an HPC User Forum meeting held in Denver.

In the United States and across the world, political leaders have increasingly recognized HPC's game-changing ability to accelerate not only scientific progress but also commercial innovation and economic competitiveness. Accordingly, HPC has risen to a higher level of political discourse, especially in North America, EMEA, and the Asia/Pacific region.

The new *Strategy for American Innovation* names other priorities that IDC expects to benefit substantially from HPC advances, including fundamental research, next-generation digital infrastructure, advanced manufacturing, precision medicine and new neurotechnologies, building smart cities, and energy efficiency.

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