

# CLDS

Center for Large-scale Data Systems Research

## Envisioning Big Data in the CLDS

SDSC's New Center for Large Scale Data Systems Research

What should a "big data" system look like in 2015? What is the interplay between "big data" applications and cloud environments? What will "big data" workloads look like in 2015? What are appropriate benchmarks for "big data"?

### ISSUES

SDSC is partnering with industry to launch a new "big data" research center focusing on issues including:

- What should "big data" systems look like in 2015? How will we get there?
- What is the business value of "big data"? When will we realize it?
- What storage innovations will influence cloud architectures in 2015?
- How will cloud architectures evolve to support data-intensive computing in 2015?
- What will be the impact of "big data" applications on IT resources in 2015?
- What are appropriate benchmarks and metrics to evaluate "big data" systems in 2015?

### EVENTS

**CLDS Panel on "Big Data" at the SNIA Cloud Burst Summit**  
September 22nd,  
Hyatt Regency Hotel, Santa Clara

**CLDS Participant and Sponsor Meeting**  
Sept 23rd (by invitation only)

*Please join us at these important events!*

### CURRENT & PAST SPONSORS

Seagate Technology, AT&T, IBM, LSI, National Science Foundation, Oracle, Cisco Systems, Intel Corporation, Alfred P. Sloan Foundation

### FOR MORE INFORMATION

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### ABOUT SDSC

For over 25 years, the San Diego Supercomputer Center (SDSC) has been at the forefront of new trends and developments in high-performance and data-intensive computing. SDSC's large-scale data systems include *Data Oasis*, a 4 petabyte parallel filesystem; the *SDSC Cloud Store*, consisting of 5 petabytes of disk (with replication); and the *Gordon* system (available in January 2012) with 64 terabytes aggregate memory, 300 terabytes flash memory, and 200 teraflops of computing power.