The SciServer vision addresses some of the most important challenges of modern science.

Petabyte-scale Data Management

We offer scalable data storage for scientific users, we provide tools for searching big datasets, and we provide space for users to store and analyze their results.

Open Numerical Laboratories

We offer the ability to analyze data on our servers, keeping the computation close to the data to minimize data movement.

Science for All

We provide access to these big data resources to researchers and educators worldwide, and support long-tail science: small datasets collected by researchers worldwide.

SciServer's core goals are

- To revolutionize the availability and accessibility of large-scale data-intensive science to the scientific community.
- To incorporate and build upon our joint development history of SkyServer with Johns Hopkins University.
- To develop SciServer to provide the same unique capabilities across the scientific spectrum.

SciServer is Operated By

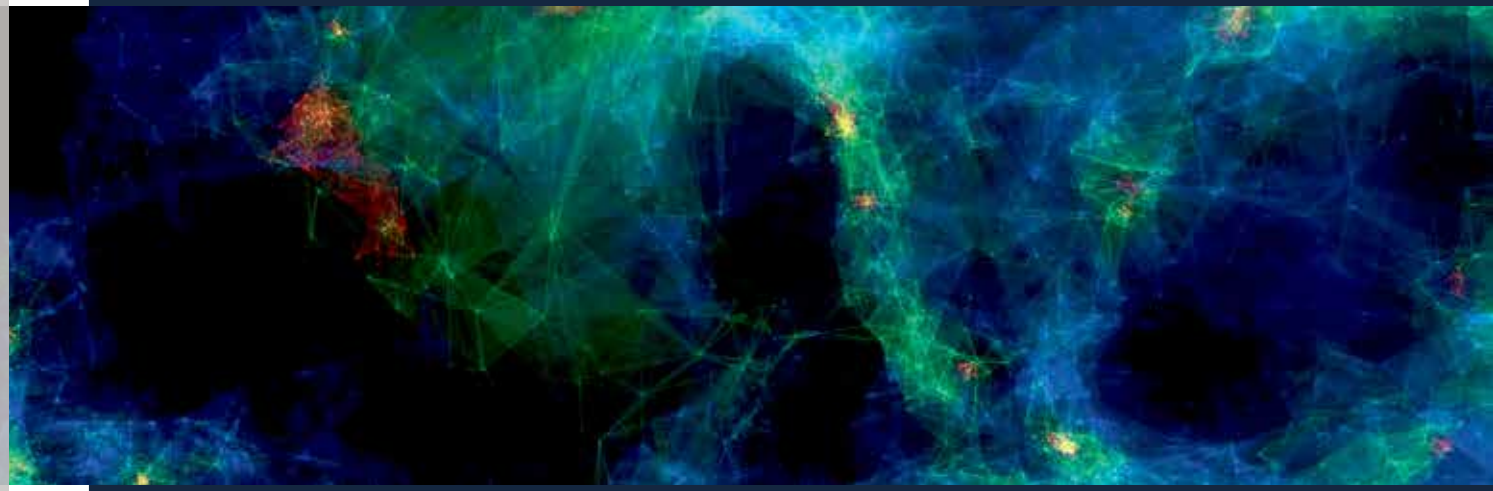
The Institute for Data Intensive Engineering and Science
The Johns Hopkins University
Baltimore, MD 21218

SciServer is Funded By

The National Science Foundation through its Data Infrastructure Building Blocks (DIBBs) Program, Award ACI-1261715.

SciServer

Collaborative Data-Driven Science



More Information

http://www.sciserver.org
sciserver-webmaster@jhu.edu

idies

JOHNS HOPKINS UNIVERSITY

***SciServer** is a revolutionary new approach to doing science by bringing the analysis to the data. **SciServer** consists of integrated tools that work together to create a full-featured system.*

SciServer

Collaborative Data-Driven Science

Portal

The SciServer Login Portal provides single sign-on access to all SciServer tools, web apps, and datasets.

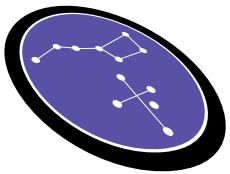
CasJobs

CasJobs is a sophisticated query management and scheduling tool for SDSS catalog data. MyDB, an integral part of CasJobs, provides every user with a few Gb of persistent storage space.

Compute

SciServer Compute, due to be released in June, 2016, is a web app that brings SciServer to your browser with Jupyter Notebooks in Docker containers.

SkyServer



SkyServer is the primary public interface to the Sloan Digital Sky Survey (SDSS) catalog data. SciServer users can save SkyServer results and queries.

SkyQuery

Due to be released in mid-2016, SkyQuery will will provide distributed query capability to support "statistical cross-match" queries to access multiple large astronomy databases.

SciDrive

SciDrive provides a Dropbox-like interface for scientific data files. In SciServer, SciDrive now integrates with CasJobs and Compute.

SciScript

SciScript, an integral part of SciServer Compute, will allow users to use and build scripts in Python, R, and Matlab to access other SciServer components.

MyScratch

MyScratch provides support for very large queries in a shared temporary storage space. MyScratch is like a single very large database shared among all CasJobs users.