

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 deliver 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 query, analysis, and storage resources to researchers and educators worldwide, and support the Long Tail of Science: the preponderance of 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 leverage 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

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A Collaborative Research Environment for
Large-Scale Data-Driven Science



Scan the QR code to join
our email list.

Or visit our website:
<http://www.sciserver.org>

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*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.*



Collaborative Data-Driven Science



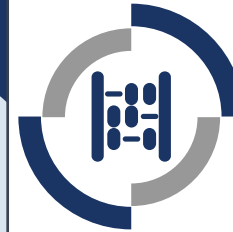
CasJobs

CasJobs is a query management and scheduling tool for large scientific datasets that provides users with up to a few GB of persistent storage space.



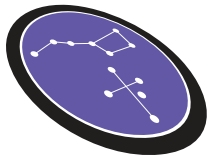
Portal

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



Compute

SciServer Compute brings SciServer to your browser with Jupyter Notebooks deployed in Docker containers.



SkyServer

SkyServer is the public interface to SDSS catalog data. SciServer users can save SkyServer results and queries.



SkyQuery

SkyQuery provides distributed query capability to support "statistical cross-match" queries across multiple astronomy databases.



SciDrive

SciDrive is a Drop-box-like interface for scientific data files that integrates with CasJobs and Compute.



SciScript

SciScript, an integral part of SciServer Compute, allows users to use and build scripts that integrate with other SciServer components.



MyScratch

MyScratch provides support for very large queries in temporary storage space shared by users.