

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

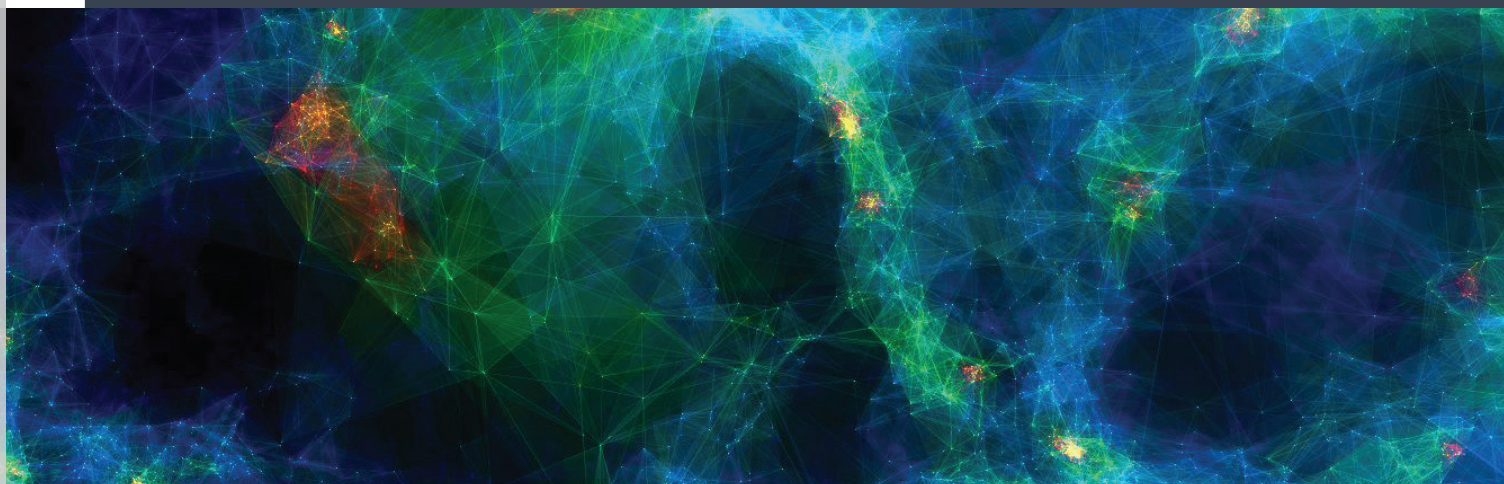
### SciServer is Funded By

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

# SciServer



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



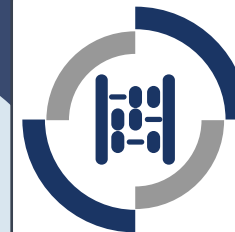
### CasJobs

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.



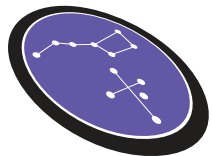
### Portal

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



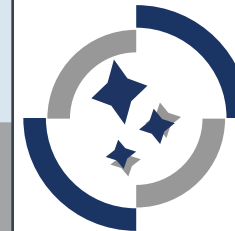
### Compute

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.