

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, tools for searching big datasets, and workspaces 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 is Operated By

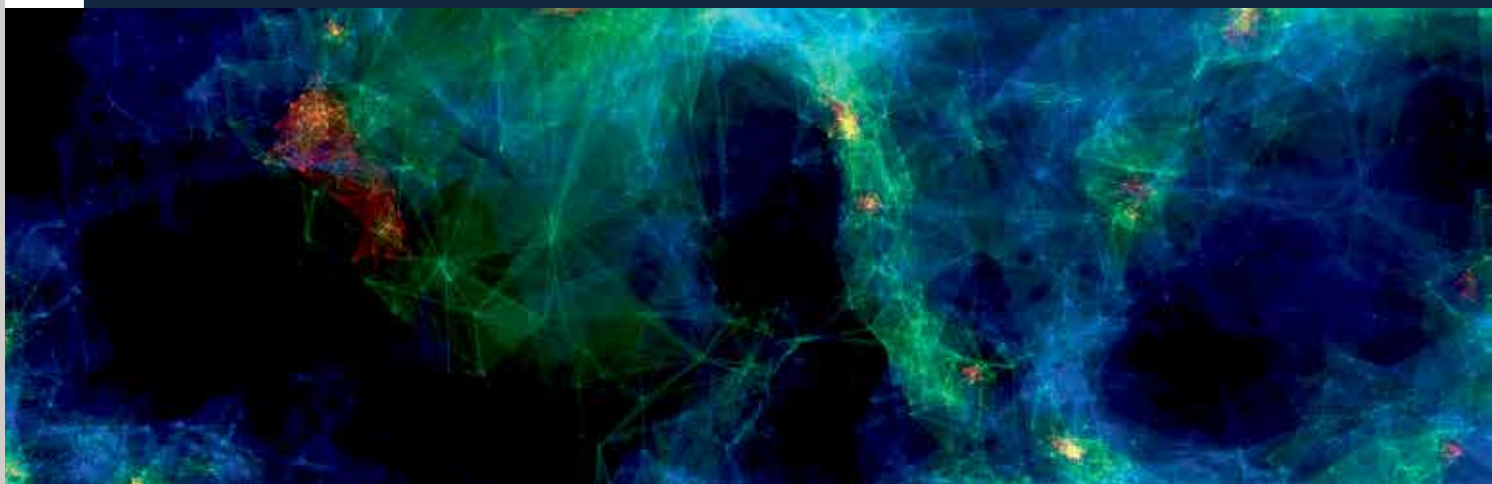
The Institute for Data Intensive Engineering  
and Science  
The Johns Hopkins University  
Baltimore, MD 21218

#### SciServer is Funded By

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



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



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[www.sciserver.org](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

SciServer 



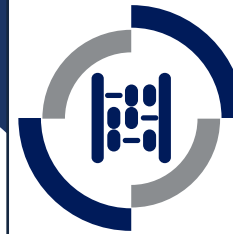
## CasJobs

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



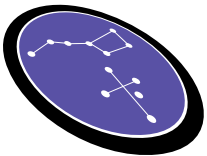
## Dashboard

Manage collaborative groups; manage and share resources, files, and databases.



## Compute

Featuring Jupyter Notebooks with Python 2, Python 3, R, and MATLAB kernels. Now with asynchronous job execution.



## SkyServer

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



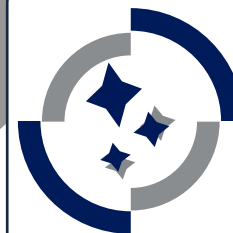
## SciScript

An integral part of SciServer Compute, SciScript libraries contain functions to access SciServer APIs, and more.



## SciDrive

A Dropbox-like interface for scientific data files that integrates with CasJobs and Compute.



## SkyQuery

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

