

1 SciServer hosts datasets for Research Science Groups

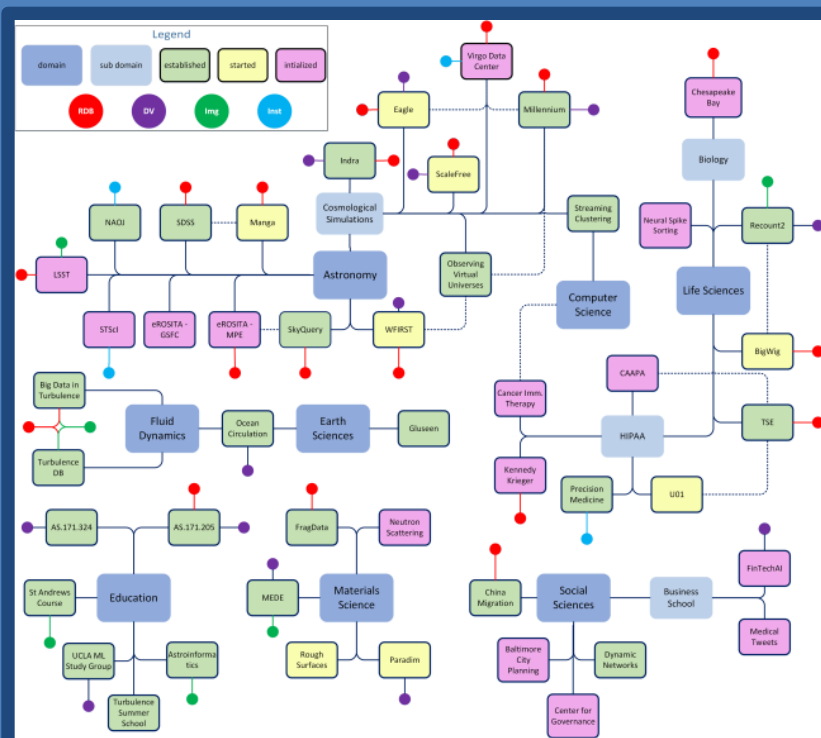
2 Users Register and Log in

What is SciServer?

A system for researchers across multiple domains to host and share datasets, featuring query and analysis tools for collaborative research.

7 External API Access

DATA PROVIDERS



Astronomy

- Sloan Digital Sky Survey (SDSS)
- Millennium Simulations (cosmology)

Fluid mechanics

- JHU Turbulence DBs (direct numerical simulation)

Genomics

- Recount (RNA sequencing)
- JHU Bloomberg / UKBiobank

Materials Science

- JHU MEDE
- JHU Paradim

1.1 Provide and Register the Data

1.2 SciServer Hosts the Data

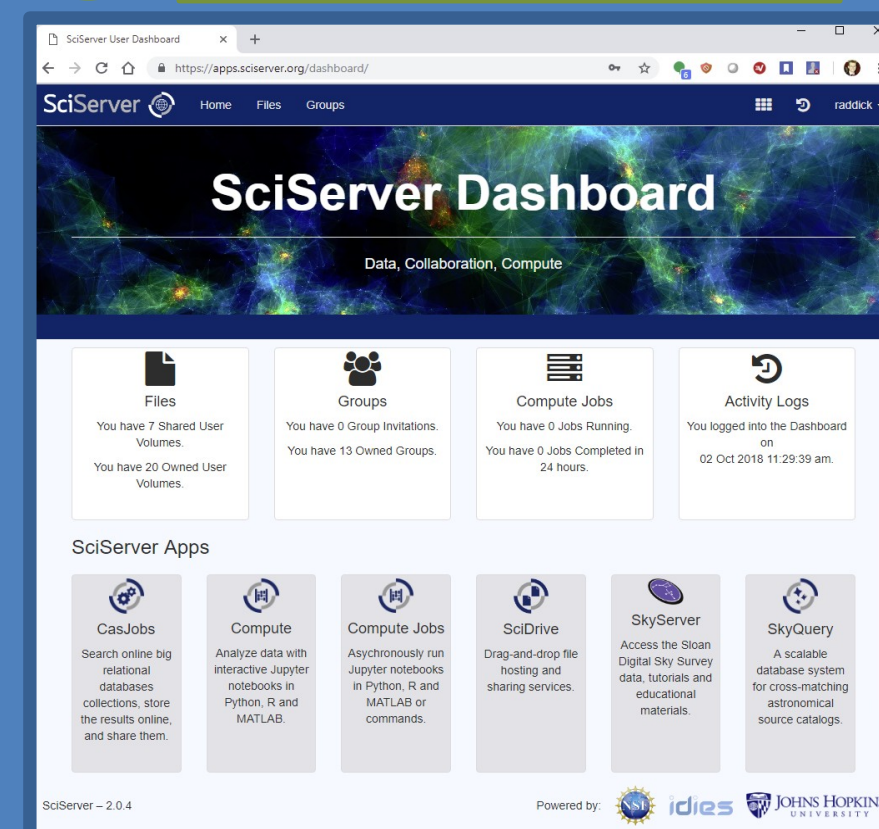
1.3 Setup Access Controls for Team

1.4 Data Available for Use

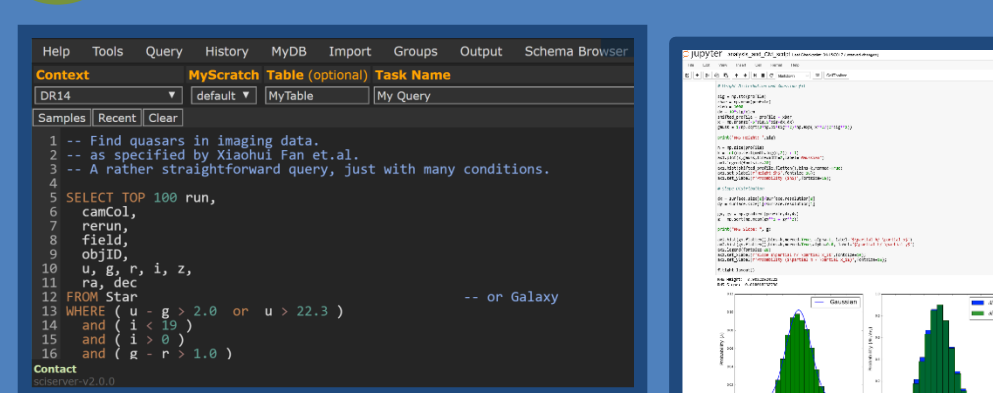
USERS

SCISERVER

3 Dashboard & Collaboration



6 Query, Compute, Analysis



EXTERNAL APPS

SkyServer

SkyQuery

Marvin

GLUSEEN

PARADIM

MEDE

Turbulence

Millennium

8 Educational Support

COURSEWARE

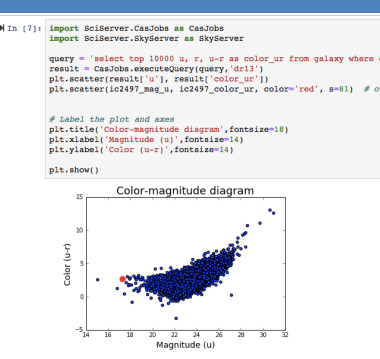
- Create student groups
- Manage assignments
- Give feedback to individual students

HOSTED DATASETS

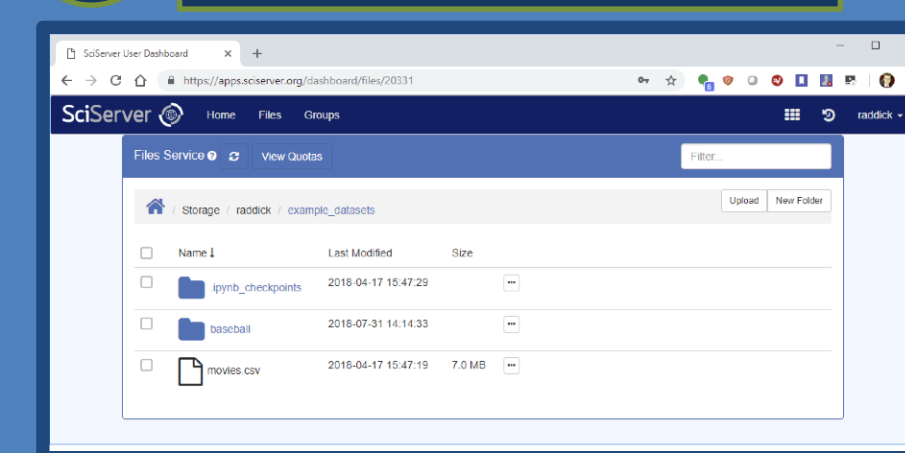
DATA

EXAMPLES / DOCS

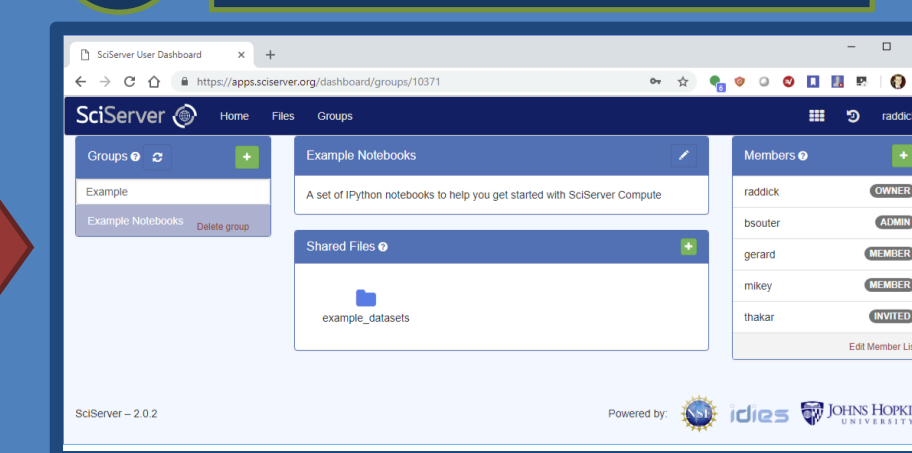
YOUR DATA



4 Manage Your Data



5 Share Your Data



How to Get Started

- User Account: Register an account at <https://apps.sciserver.org>
- Data Provider: Contact helpdesk@sciserver.org
- Tell us your Use Cases for team collaboration
- Provide feedback on your experiences
- Let us help you share data
- Introduce SciServer to other users