The New SciServer: Collaborative Tools for Data-Driven Engineering and Science

idies — JOHNS HOPKINS UNIVERSITY

SciServer Courseware

1. Create account

What is SciServer?

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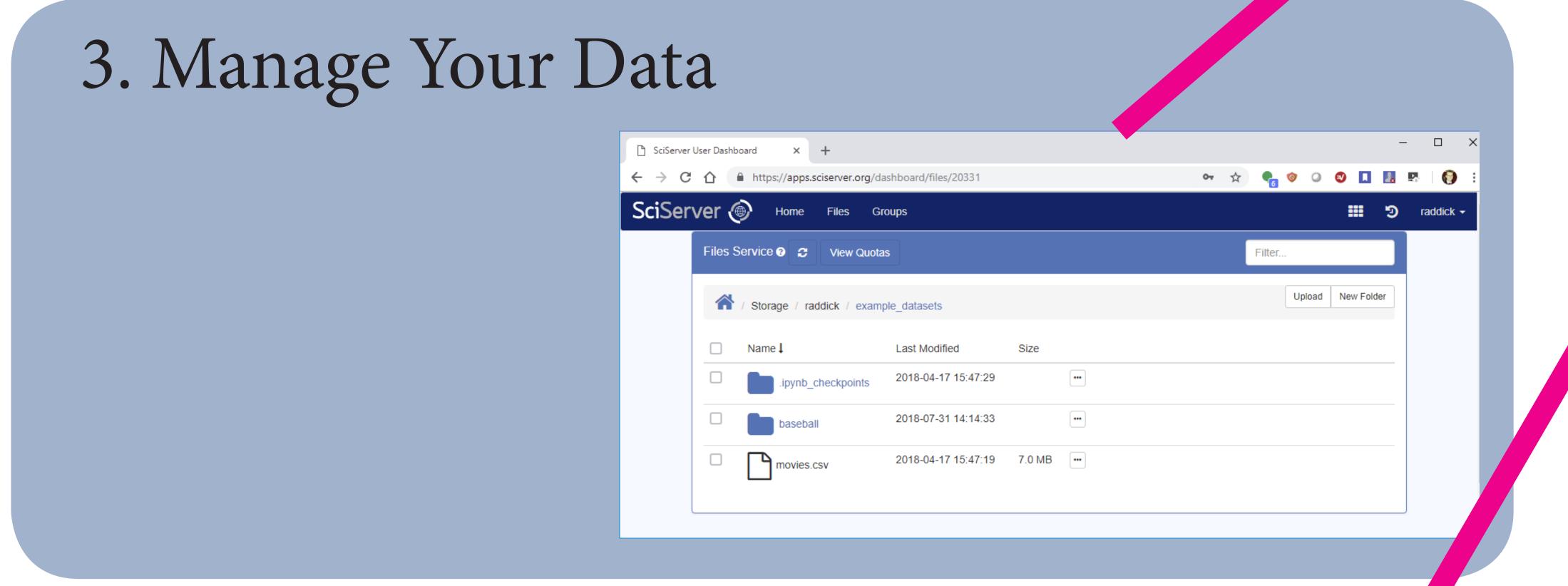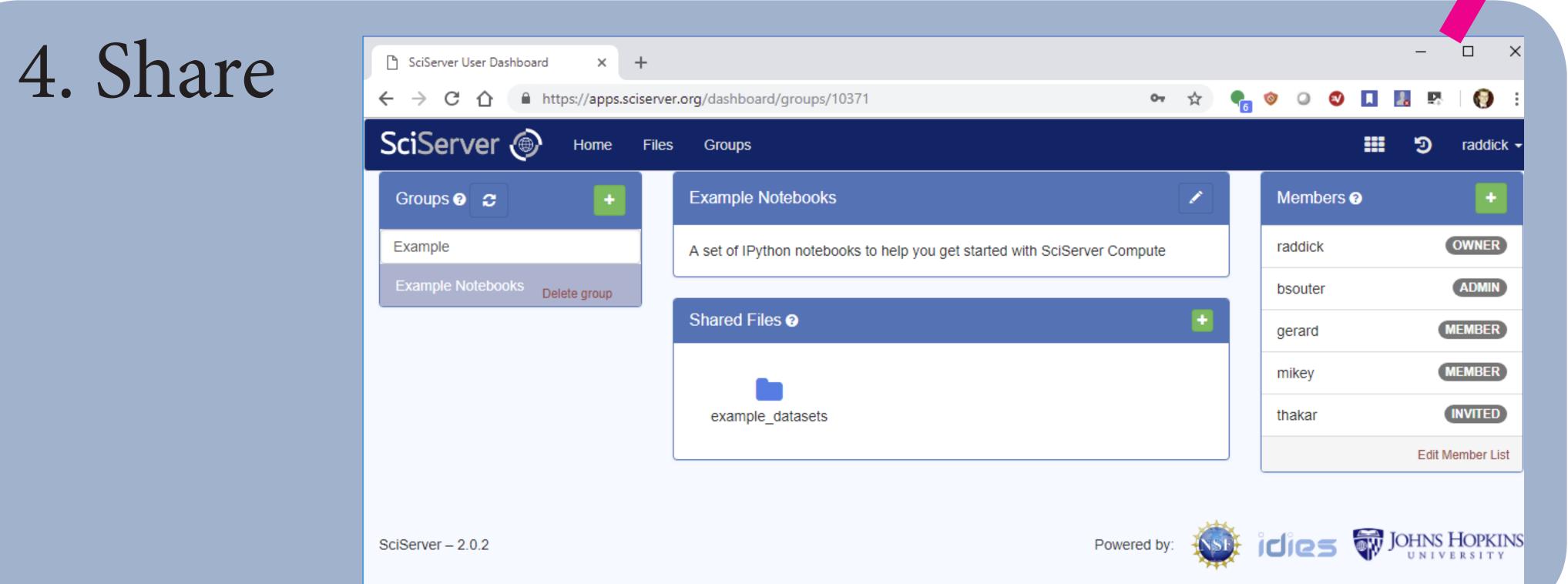
5. Compute

Connecting with APIs

2. Access Data

Astronomy
  Sloan Digital Sky Survey
    Catalog Data (DR1 - DR14)
    Raw image (FITS) data (DR1 - DR7)
Fluid mechanics
  Johns Hopkins Turbulence Databases
    Full data for 8 DNS simulations (> 1 PB)
Genomics
  Recount
    Human RNA sequencing samples (> 70,000)
Cosmological simulations
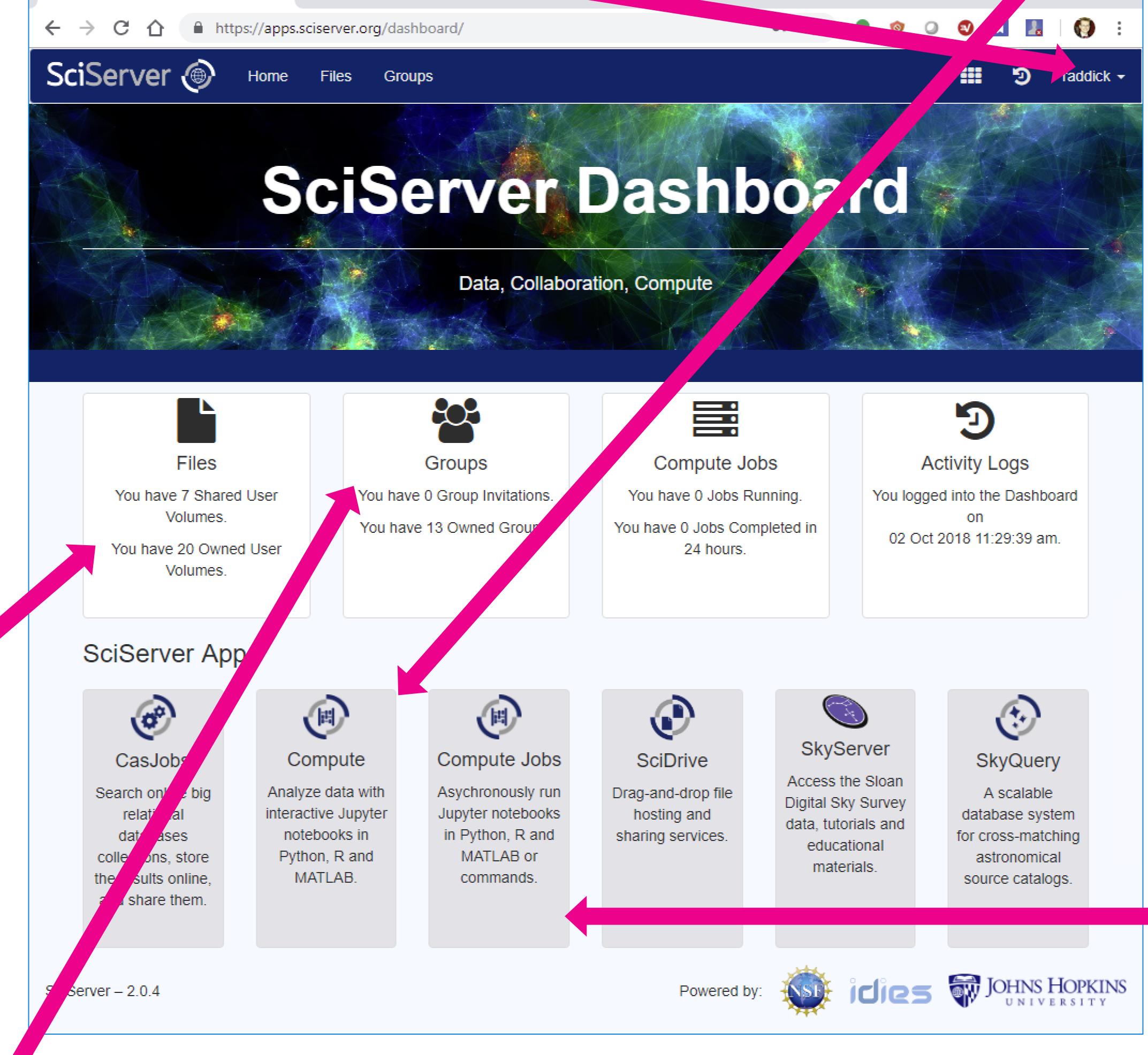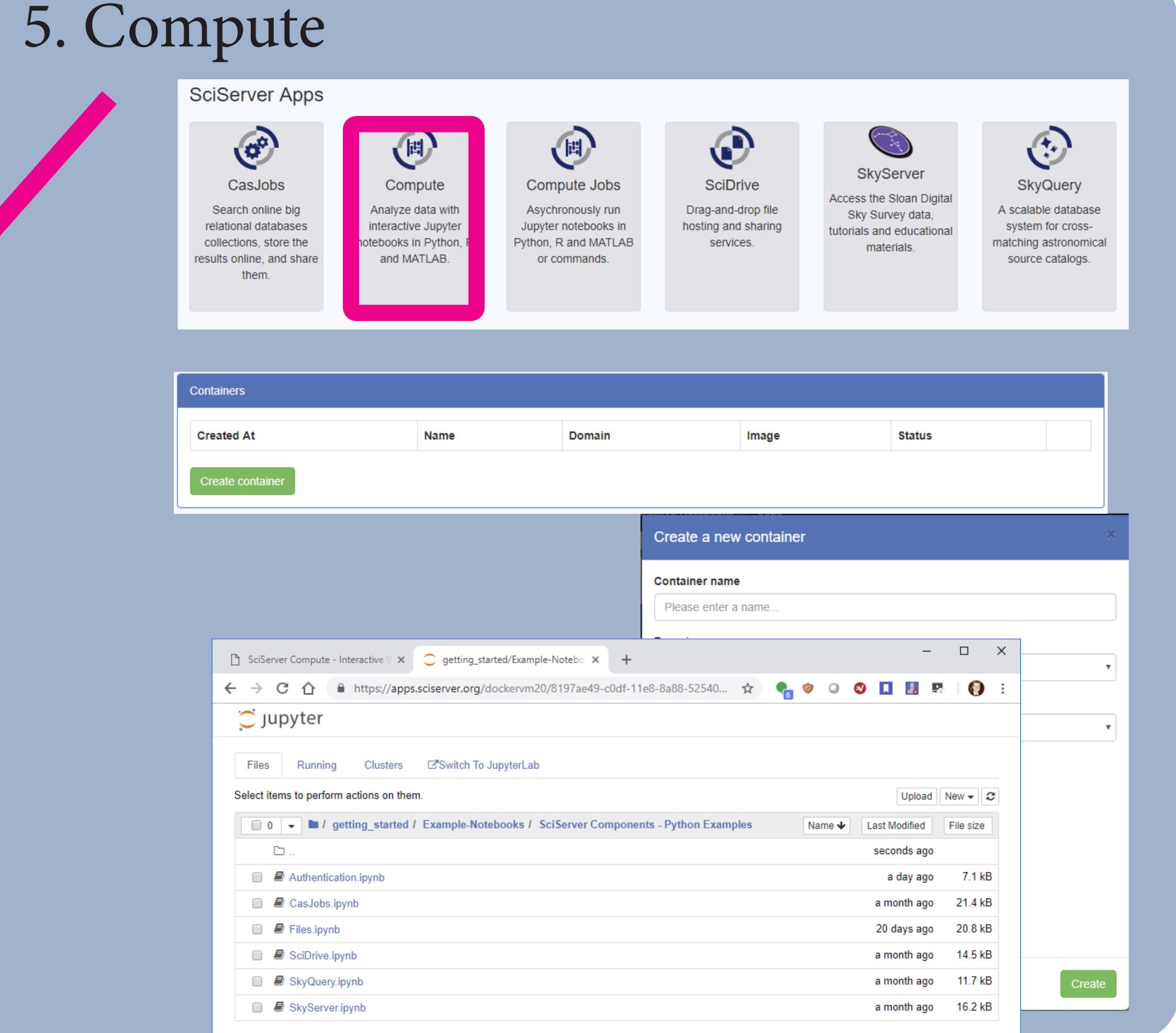 Millenium / INDRA / Illustris / EAGLE
Or upload your own data

3. Manage Your Data

6. Analyze

Cosmological Simulations

Turbulence

Materials Science

Ocean Circulation

4. Share

How to Get Involved

- Use our toolkit (www.sciserver.org)
- Volunteer to be an Early Adopter by emailing sciserver-help@jhu.edu
- Find bugs in our alpha system
- Suggest new features
- Let us help share your data
- Introduce us to other teams with data to share