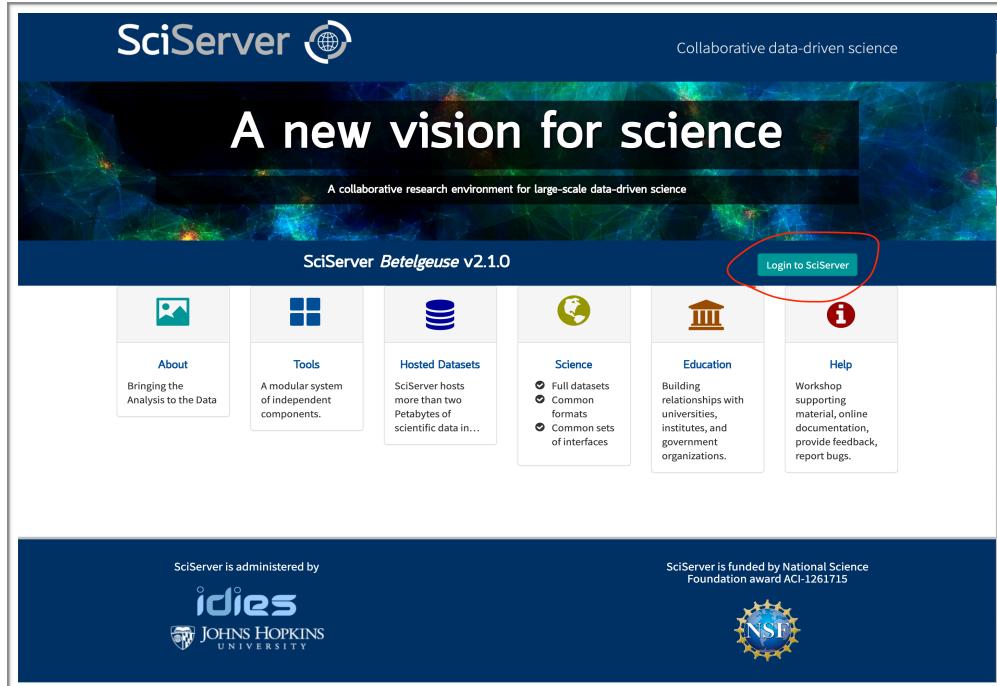
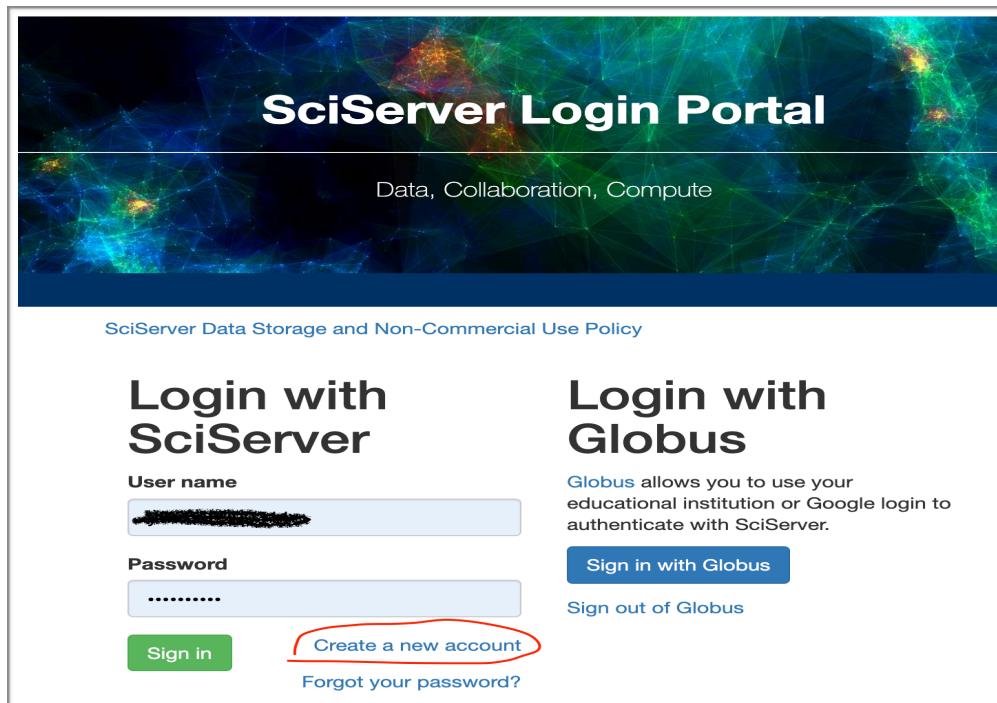


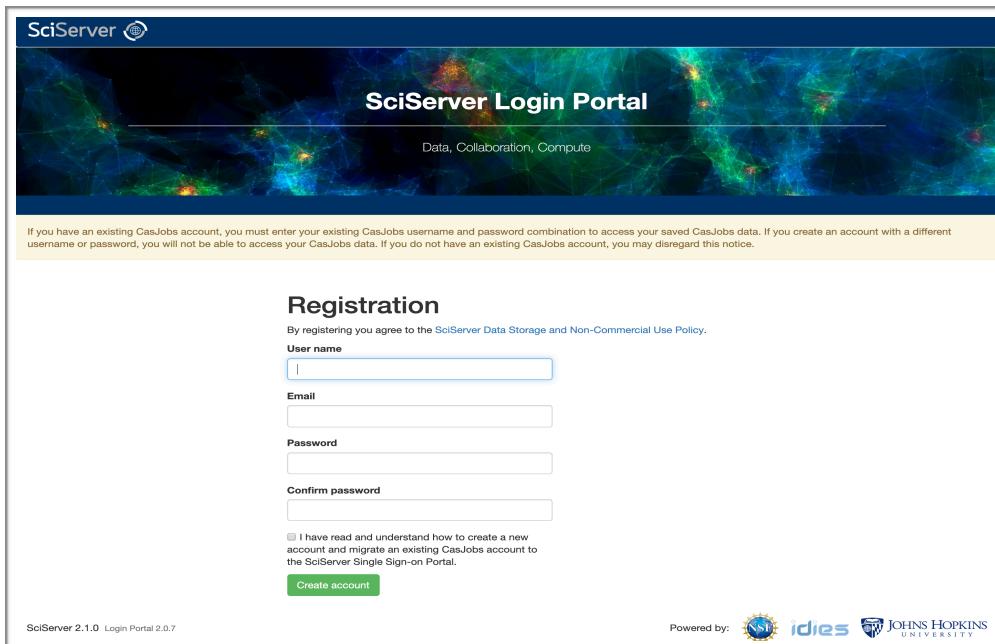
SciServer Tutorial

1. Go to: <http://www.sciserver.org/> & Click “Login to SciServer”



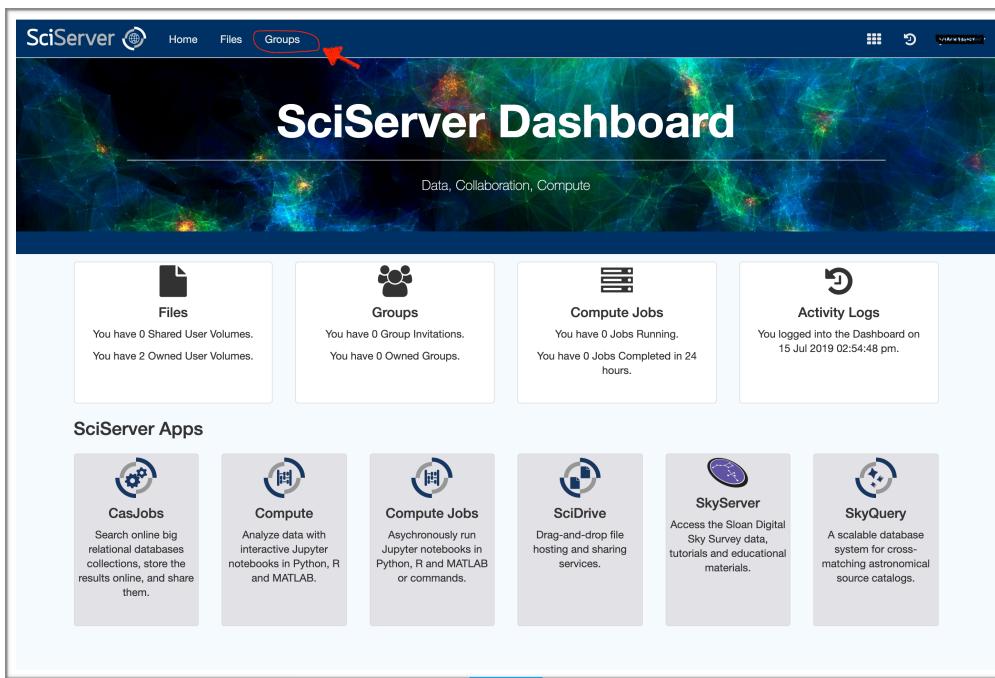
2. Click “Create a new account” if you don’t have one already.





The SciServer Login Portal registration page features a dark blue header with the SciServer logo and a banner image of a complex network or galaxy. Below the banner, a message states: "If you have an existing CasJobs account, you must enter your existing CasJobs username and password combination to access your saved CasJobs data. If you create an account with a different username or password, you will not be able to access your CasJobs data. If you do not have an existing CasJobs account, you may disregard this notice." The main form area is titled "Registration" and includes fields for "User name", "Email", "Password", and "Confirm password". A checkbox for accepting the "SciServer Data Storage and Non-Commercial Use Policy" is present, along with a "Create account" button. At the bottom, it says "SciServer 2.1.0 Login Portal 2.0.0" and "Powered by: NSIC idies JOHNS HOPKINS UNIVERSITY".

3. An activation email will be sent to you at the email address you provided during the registration process.
4. Once you have completed the steps above, please send us your “User name”, then we can add you to our group.
5. After we add you to our group, you can see an invitation within Groups on SciServer, you need to accept it. Then you can see the shared “LSST_opSims” folder



The SciServer Dashboard page shows a navigation bar with "Home", "Files", and "Groups" (which has a red arrow pointing to it). The main content area is titled "SciServer Dashboard" with a banner image. It displays four cards: "Files" (2 shared volumes), "Groups" (0 invitations, 0 owned groups), "Compute Jobs" (0 running, 0 completed in 24 hours), and "Activity Logs" (logged in on 15 Jul 2019 02:54:48 pm). Below this is a section for "SciServer Apps" with icons and descriptions for CasJobs, Compute, Compute Jobs, SciDrive, SkyServer, and SkyQuery. A large blue downward arrow is positioned below the dashboard.

LSST_opSims

Group for shared analysis of LSST cadence simulations. See <https://community.lsst.org/t/january-2020-update-fbs-1-4-runs/4006>

You have been invited to join this group created by gtr.

[Accept Invitation](#) [Decline Invitation](#)



Groups +

Filter...

- Astroinformatics2018-Students
- DRAGN
- Drexel LSST
- LSST_opSims [Leave group](#)

LSST_opSims

Group for shared analysis of LSST cadence simulations. See <https://community.lsst.org/t/january-2020-update-fbs-1-4-runs/4006>

Shared Files +

Share user volumes with this group to see them here.

Shared Data Volume

lsst_cadence

6. Next, if you want to work with the data on SciServer, you need to start a new container from Compute and mount the shared volume. To access Compute, click the third icon from the right on the top menu and click Compute.

SciServer

Home Files Groups

Groups +

Filter...

- Drexel LSST
- LSST_opSims [Leave group](#)

LSST_opSims

Group for shared analysis of LSST cadence simulations. See <https://community.lsst.org/t/january-2020-update-fbs-1-4-runs/4006>

Shared Files +

Share user volumes with this group to see them here.

Shared Data Volume

lsst_cadence

Compute



SciServer Compute Interactive Notebooks Jobs

Now Available: JupyterLab and Classical Jupyter images are now combined. Containers default to the classical interface and will remember the last interface used.

Containers

Created At	Name	Domain	Image	Status

[Create container](#)

Note:

- 1) You need to select “LSST Simulations” from “Compute Image”
- 2) The box next to ‘LSST Cadence Simulations’ under “Data volumes” has to be checked, otherwise you won’t see the shared files in the Jupyter environment.

Create a new container

Container name
LSST Cadence

Domain
Interactive Docker Compute Domain

Shared Intel Xeon E7 systems. All containers are limited to 100GiB of RAM. Unused containers are shut down after 3 days.

Compute Image ?
 LSST Simulations 
 LSST Simulations

User volumes All

AGN_training, Storage Volume created by ywx649999311
 Lessons for Astroinformatics 2018, Storage Volume created by eford
 Shared Space for Astroinformatics 2018 Participants, Storage Volume created by eford
 mtaghiza_crossMatchGordon, Storage Volume created by mtaghiza
 persistent, Storage Volume created by ywx649999311
 scratch, Temporary Volume created by ywx649999311

Data volumes ? All

Getting Started
 LSST Cadence Simulations [W] 
 Manga
 Ocean Circulation
 Recount
 SDSS DAS

Create

7. Once the container is created, click the name of the container to open up the Jupyter environment in a new browser tab.

Containers						
Created At	Name	Domain	Image	Status		
2020-02-17 13:56:08.0	LSST Cadence	Interactive	LSST Simulations	running		
2019-10-02 17:18:35.0	LSST AGN	Interactive	Python + R	stopped		
Create container						

8. Next, navigate to your persistent folder under “/home/ides/workspace/Storage/{username}/“, clone the repository: https://github.com/RichardsGroup/LSST_OpSim, and proceed from there. The image below shows the path to Weixiang Yu’s persistent folder, please replace ‘ywx649999311’ with your own SciServer username.

```
[ides@a701dbeccf46 persistent]$ pwd  
/home/ides/workspace/Storage/ywx649999311/persistent
```