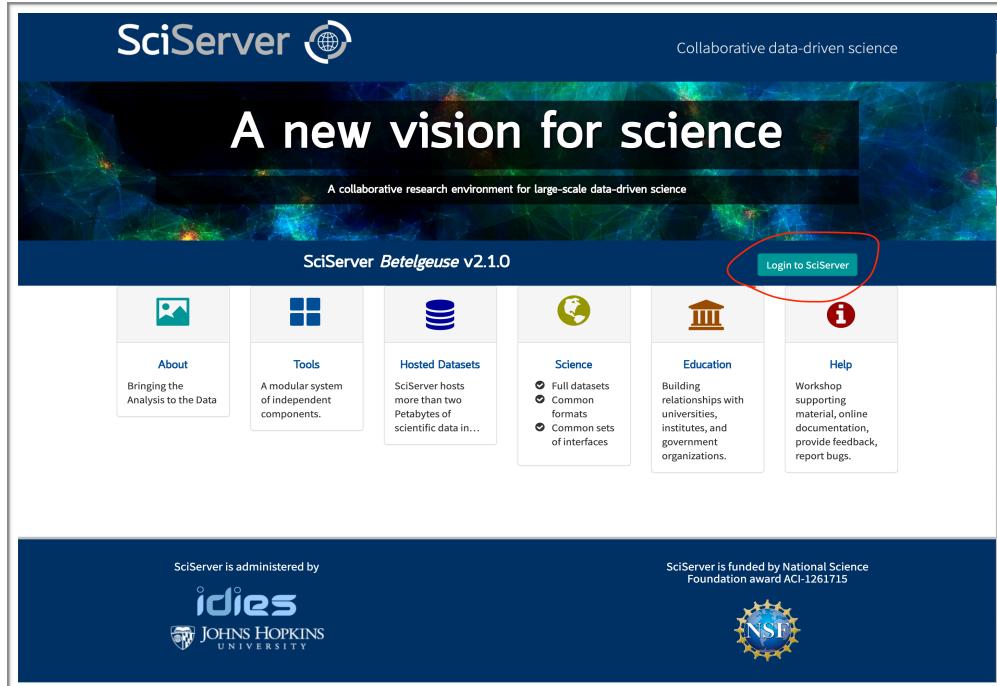
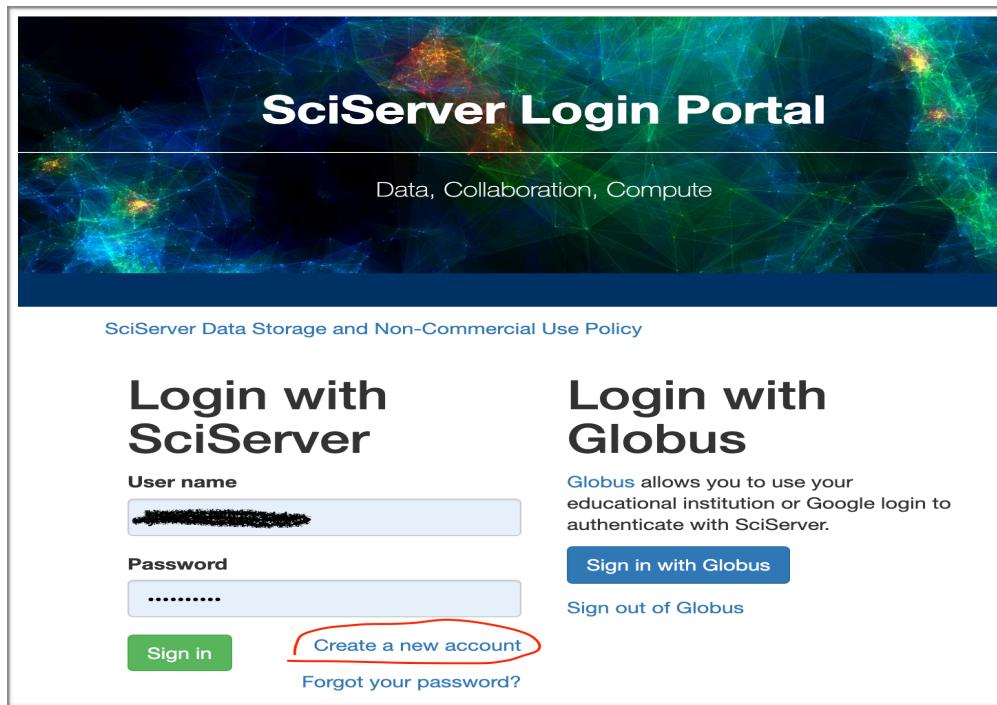


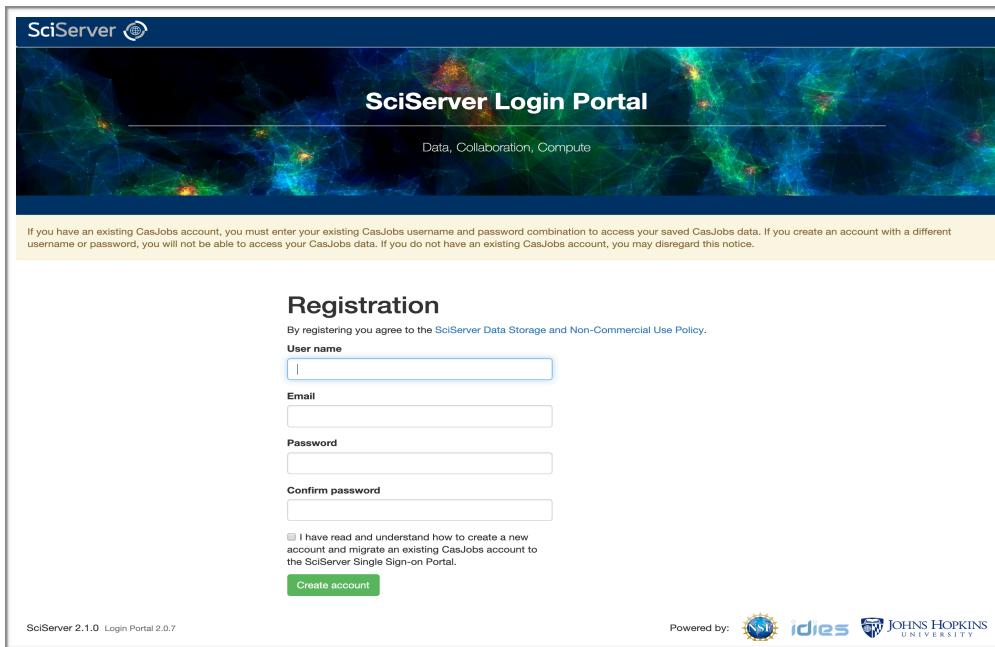
SciServer Tutorial

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



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





3. An activation email will be sent to you at the email address you provided during the registration process. **Please activate your new account through the email sent to you before attempting to log in, otherwise your account will be locked.**
4. Once you have completed the steps above, please send us your “User name”, then we can add you to the “LSST_opSims” group.
5. After we add you to this 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 screenshot shows the SciServer Dashboard. At the top, there's a header with "SciServer" and navigation links for "Home", "Files", and "Groups" (which is highlighted with a red arrow). Below the header is a banner with "SciServer Dashboard" and "Data, Collaboration, Compute". The main area has four cards: "Files", "Groups", "Compute Jobs", and "Activity Logs". Under "SciServer Apps", there are six icons: "CasJobs", "Compute", "Compute Jobs", "SciDrive", "SkyServer", and "SkyQuery". A large blue downward arrow is positioned at the bottom center of the dashboard area.

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>

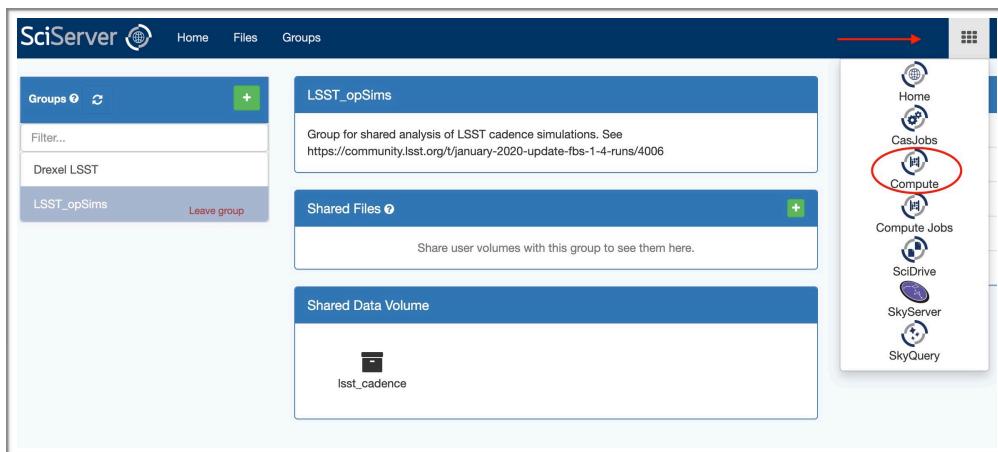
Shared Files +

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 +

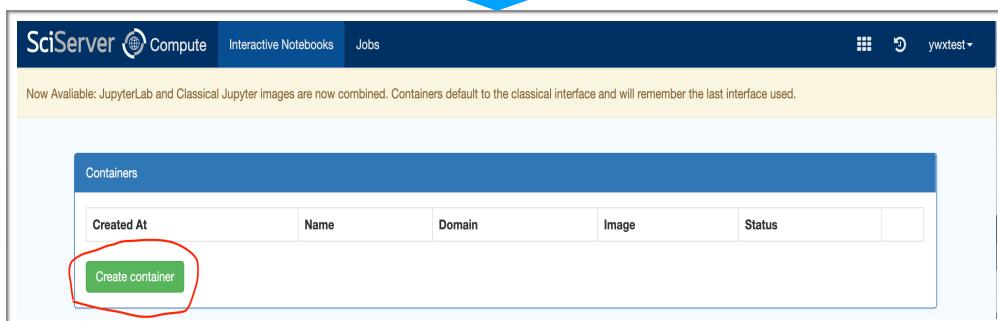
Share user volumes with this group to see them here.

Shared Data Volume

lsst_cadence

Compute

Home CasJobs Compute Compute Jobs SciDrive SciServer SkyQuery

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

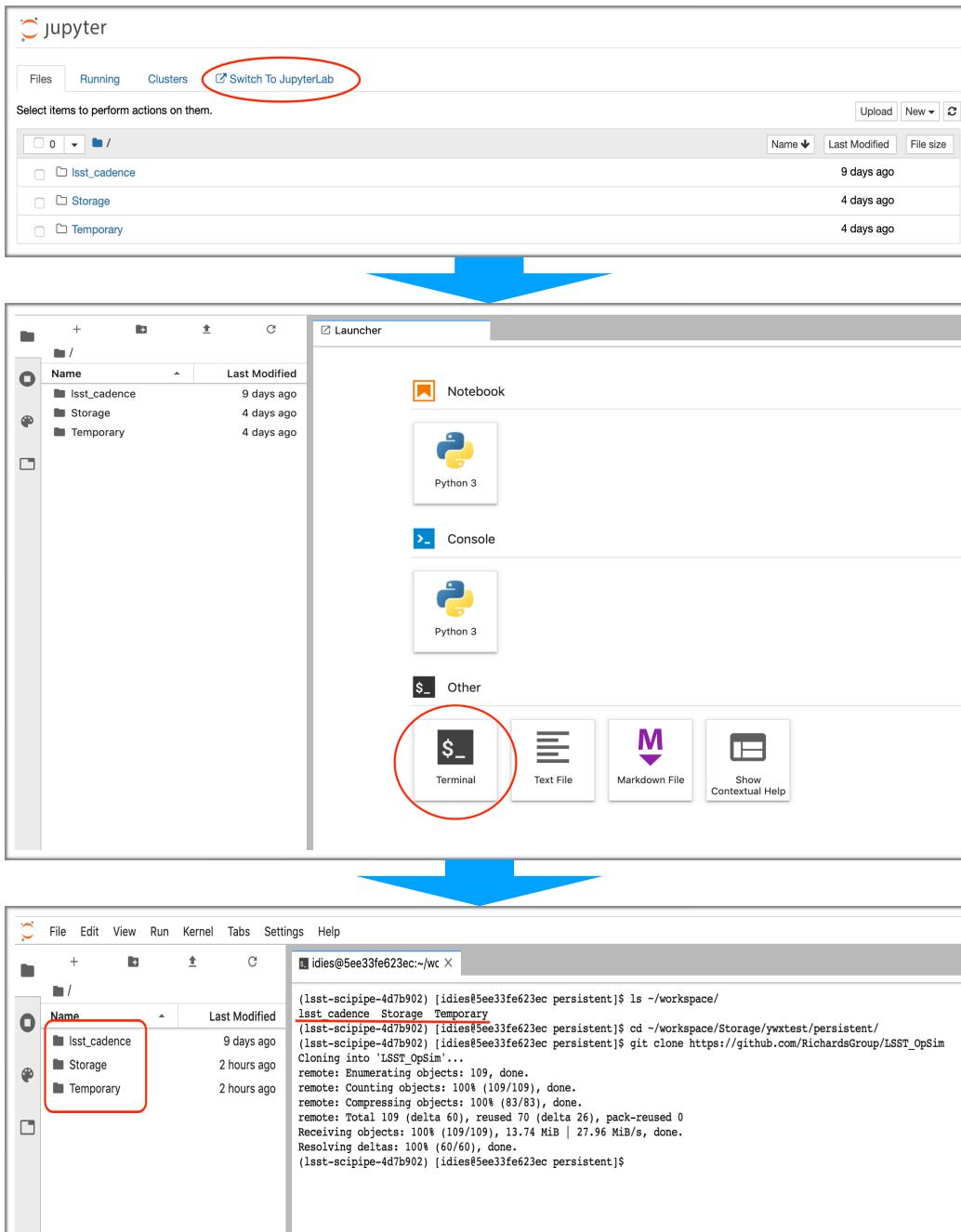
Create

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, open a new terminal from the Jupyter launcher, navigate to your persistent folder under “/home/ides/workspace/Storage/{username}”, clone the repository: https://github.com/RichardsGroup/LSST_OpSim. The set of commands which you need to execute once you opened a new terminal is (a screenshot is also attached):

- ls workspace/
- cd ~/workspace/Storage/{username}/persistent/
- git clone https://github.com/RichardsGroup/LSST_OpSim



In the screenshot right above, you can see that the directories boxed match the output of “ls workspace” (underlined). Thus we can navigate to the folder of the repository that we just cloned by using the directory explorer on the left.

- Once you are in the folder of the cloned repository, you can right click the README.md file to open it in markdown preview. More detailed descriptions about that github repo can be found there. Or you can just start with the “Introduction.ipynb” notebook in the “Scripts_NB” folder

