Globus Connect

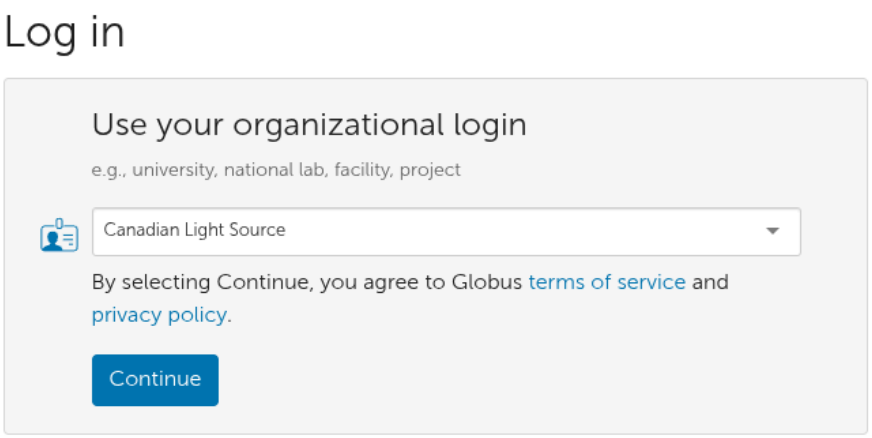
Description

Globus delivers advanced file transfer and sharing capabilities to researchers no matter where their data live. Globus Connect Server **makes it easy to add your lab cluster, campus research computing system, or other multiuser HPC facility to the Globus ecosystem**. The CLS provides a Globus Connect Server endpoint that connects to our beamline data share, allowing users associated with scientific proposals access to their data.

Instruction

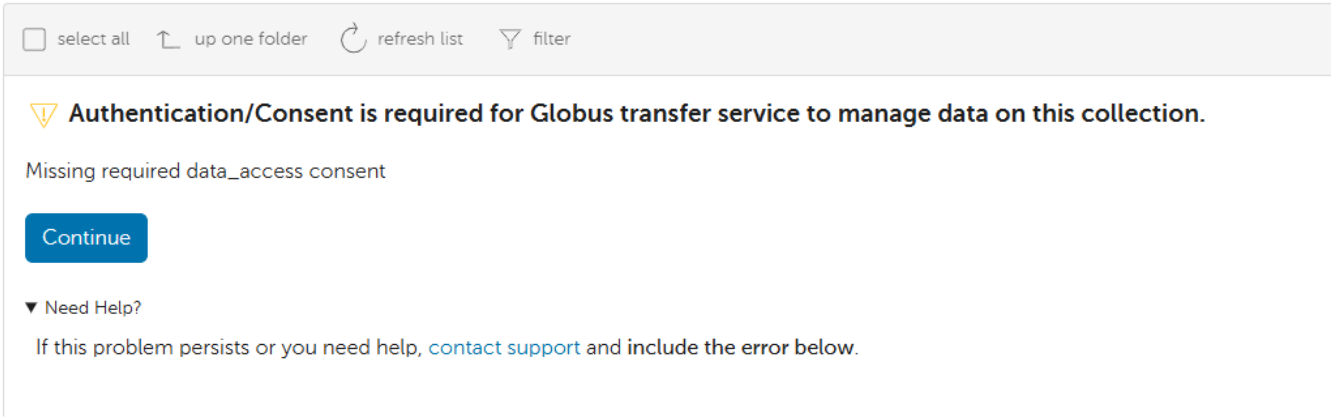
If you have not used Globus before:

You will need to login to app.globus.org. You should select Canadian Light Source as your institution to login:



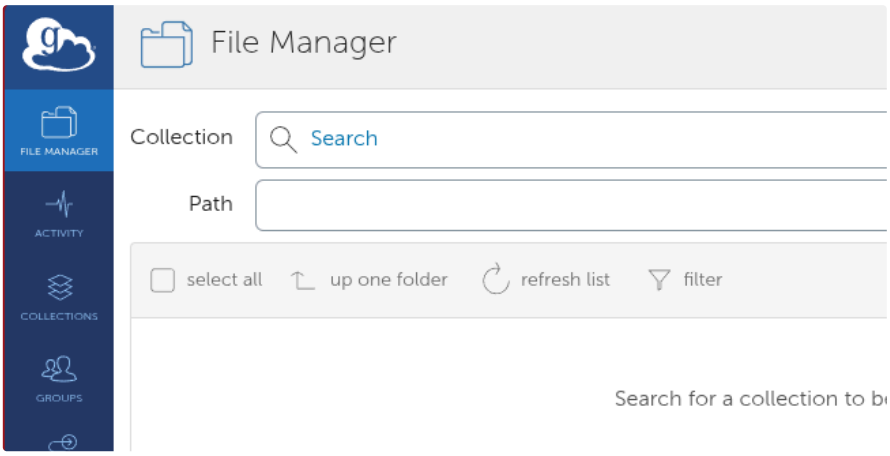
You will receive what should be a familiar CLS single-sign-on page. Enter your CLS username (such as lastf0) and your password. Your first login will register you with Globus' systems, which is important if other users want to share with you.

On your first login, you may receive the following. Click continue to proceed.

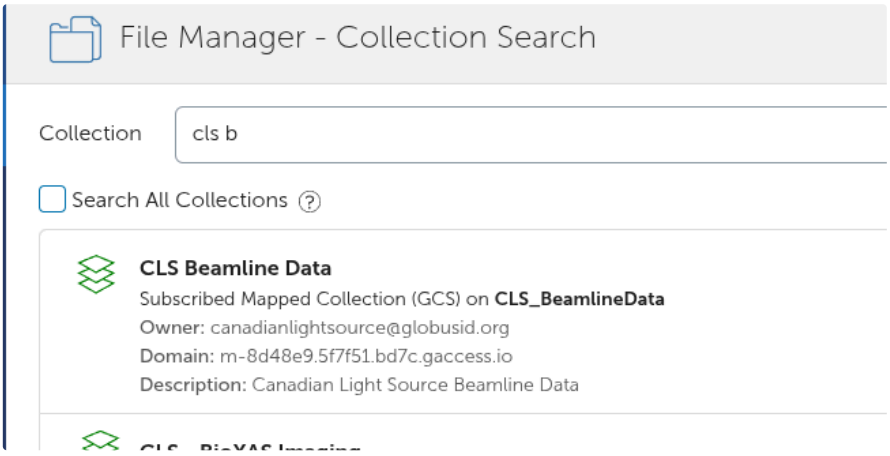


New Server Note: ***You no longer need to create guest collections for users.***

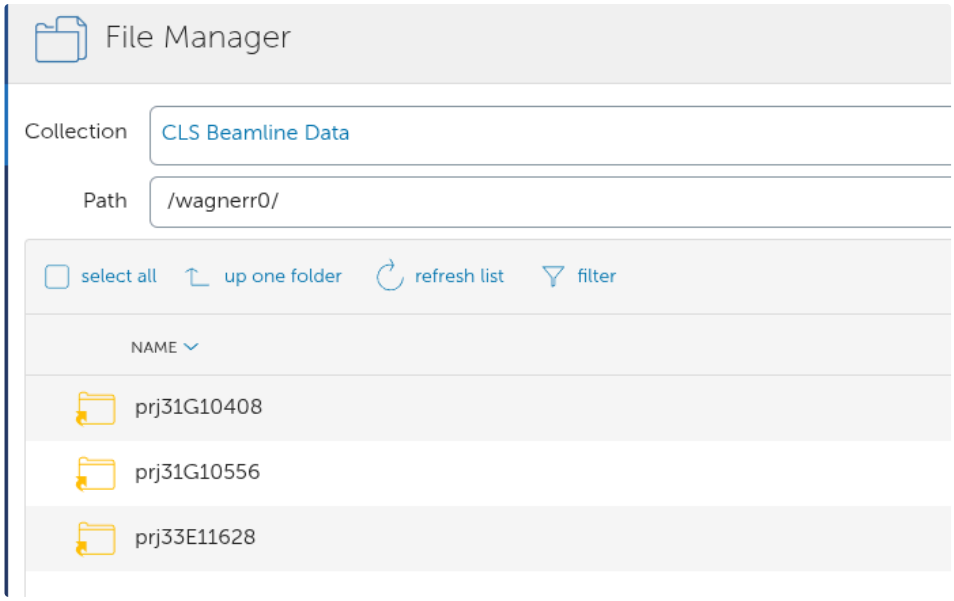
Once logged in, you will see a File Manager view in the Globus web application. Select “SEARCH” to search for the “CLS Beamline Data” Endpoint



You can select the endpoint to open it in the file manager.



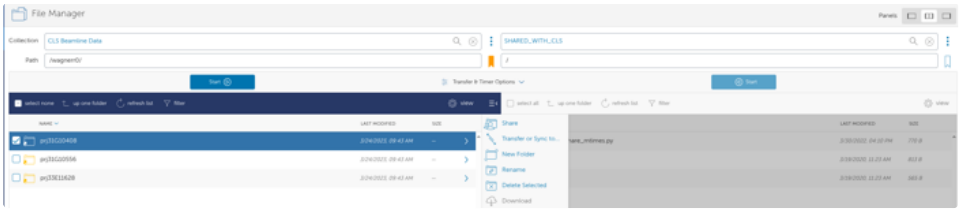
In the file manager view, you can then see projects/proposals that you are associated with in User Portal.



From here, you *can* download individual files with a web browser, but that is NOT recommended.

For many users, their organization may have a Globus endpoint that they can use. Clicking in the top right is a button to turn on “2-pane” mode, so a second endpoint can be selected as a destination. For users that do NOT have an organizational endpoint, a Globus Personal instance can be installed on the receiving device. (See Below)

Once a second endpoint is opened, you can select files to transfer, then click the blue “Start” button to copy data from one endpoint to another. You can select “Transfer & Time Options” to change options such as consistency checking.



Once a transfer is started, you can close the web application if you desire. You should receive an email when the transfer is completed.

Globus Personal Edition

Globus Connect Personal (GCP) is software that turns your personal computer or laptop into a Globus endpoint, allowing you to easily and securely transfer and share files with other

researchers and storage locations. It creates a single-user collection on your machine, enabling you to move data to and from your laptop, even if it's behind a firewall, without needing complex server configurations.

Configuring a personal endpoint is very straightforward, and the documentation and downloads required for Windows, Linux, and Macintosh are accessible here:

Globus Connect Personal

Related Articles