Center for RNA TECHNOLOGIES & THERAPEUTICS
at the University of California San Diego

GLOBUS DATA TRANSFER

Globus is a service that brokers transfer of large files between two endpoints, or "collections". Collections can be understood as directories that can exist on either personal, cloud, or HPC drives.

The RNA Center stores and shares its data from a collection that is accessible to privileged users. In other words, once we have data, we will add you to a group that has read access to a folder within our collection with your data.

On your end, you **will need to set up a collection of your own to receive/transfer the data**. While most universities have a standing subscription with Globus, we found the easiest method is to install [Globus connect personal](#).

Once you click on link scroll down to "Install Globus Connect Personal" and choose your poison:

***Note*: You will be installing Globus on the system <u>where you want your data transferred to or are transferring data from</u>.**

Install Globus Connect Personal

Create a Globus collection on your laptop. Globus Connect Personal is available for all major operating systems.

Globus Connect Personal for Mac
Mac OS X 10.9 or higher
INSTALL NOW ⊙

Globus Connect Personal for Windows
currently supported Windows versions
INSTALL NOW ⊙

Globus Connect Personal for Linux
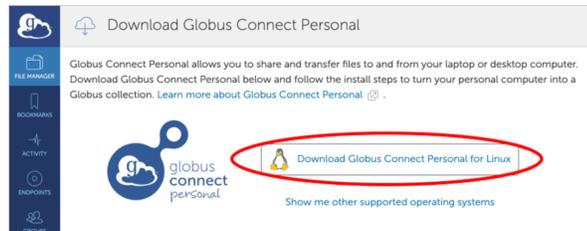for common x86 distributions
INSTALL NOW ⊙

Have questions? Look at our frequently asked questions or contact support@globus.org

Scroll down, and follow the instructions pertaining to your operating system:

1. Download Globus Connect Personal

You can also download Globus Connect Personal directly using wget or curl:

```
$ wget https://downloads.globus.org/globus-connect-personal/linux/stable/globusconnectpersonal-latest.tgz
```

2. Extract the files from the downloaded tarball.

```
$ tar xzf globusconnectpersonal-latest.tgz
# this will produce a versioned globusconnectpersonal directory
# replace `x.y.z` in the line below with the version number you see
$ cd globusconnectpersonal-x.y.z
```

3. Start Globus Connect Personal. Since this is the first time you are running it, you must complete setup before you can run the full application.

```
$ ./globusconnectpersonal
```

This will interactively guide you through the setup process.

4. Follow the on-screen install instructions. If a graphical environment is detected, a window will appear, like the one shown below

EXAMPLE SETUP FOR LINUX USERS

For Linux HPC users, you will be instructed to download and de-compress a folder and run the "**./globusconnectpersonal -setup**" executable inside. You may be instructed to navigate to your browser and login. This connects your identity to your personal collection. We recommend using your university or organization's credentials, but may also use your personal account.

Note: Please send your globus ID to the RNACenter
(You may find your ID by navigating here, or to https://globus.org/ -> Settings)

When this initial setup is complete, you may bring your collection online with this command. You can verify that the endpoint is online by visiting: https://app.globus.org/collections?scope=administered-by-me:
"**./globusconnectpersonal -start**"

The RNA center collection can be found by following this link:
(add your personal collection to the pane opposite the "RNA Center"
https://app.globus.org/file-manager?origin_id=6a1cc228-34c5-4d54-aa56-e15b13fde294&origin_path=%2F&two_pane=true
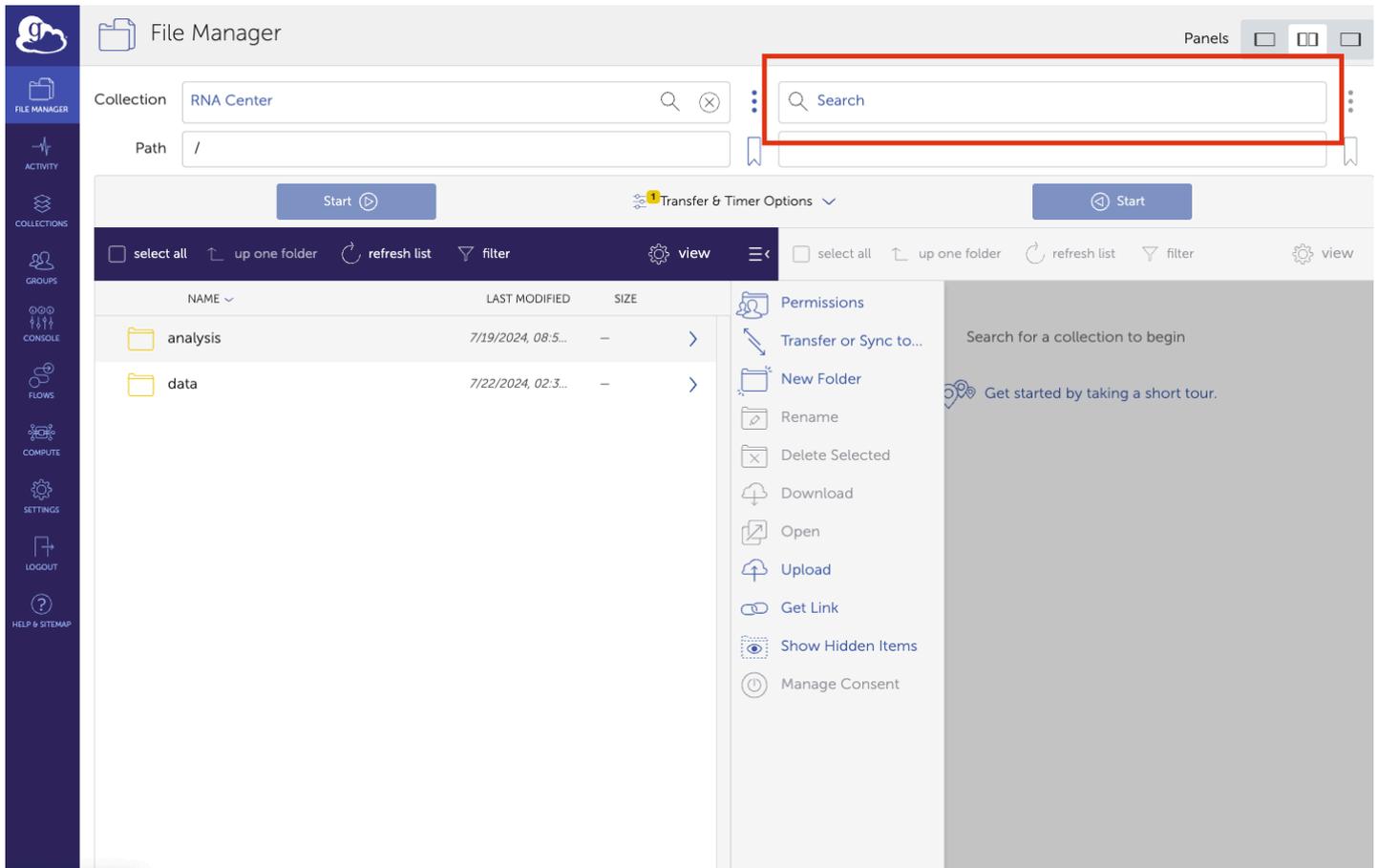
Search for and specify your personal collection name in the red box (pictured above).

Note: Globus will not follow softlinks.
Note: By default, `globusconnectpersonal` uses your `$HOME` directory as the root path for your endpoint. To modify this behavior, you may follow [these instructions](#).

ADDING OR MODIFYING THE ROOT PATH TO YOUR COLLECTION EXAMPLE FOR LINUX USERS

Stop the connect service
`./globusconnectpersonal -stop`

or

`ctrl+c` to stop the `./globuspersonalconnect -start` process

Add the following line (edit the actual path):
`/path/to/folder/,1,1`
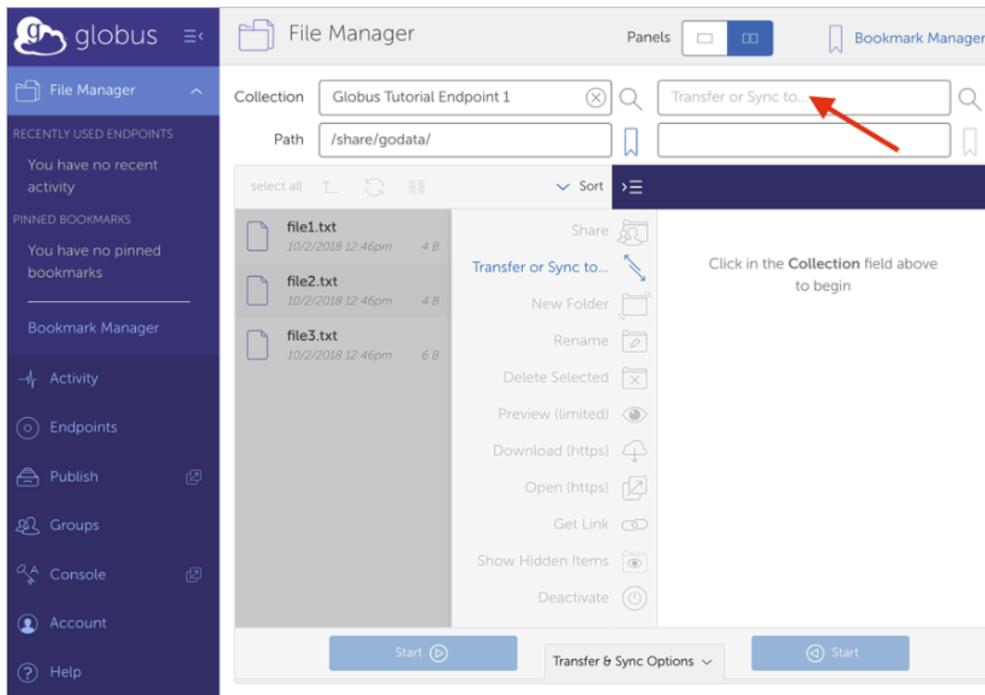
To this file:
`~/.globusonline/lta/config-paths`

And start globus again:
`./globusconnectpersonal -start`

Once the data is made available in our collection, and your personal connection is set up, you may then use the provided graphical user interface to transfer your data to your collection:

https://docs.globus.org/guides/tutorials/manage-files/transfer-files/