

Globus End User/Admin Guide

June 18, 2024

Admin Guide:

DTN Hostname: %DTN Hostname%

DTN IP: %DTN IP%

Globus User Creation Steps (on Linux Side):

###Anything in between percent signs is a variable.

```
sudo mkdir /data/%username%
```

```
sudo useradd --home /data/%username% %username%
```

```
sudo chown %username%/%username% /data/%username%
```

```
sudo passwd %username%
```

Globus User Disable Steps (on Linux Side):

###Anything in between percent signs is a variable.

```
sudo usermod -L -e 1 %username%
```

Globus User Remove Steps (on Linux Side):

###Anything in between percent signs is a variable.

```
sudo userdel -r %username%
```

End User Guide:

Outline

This guide will show end users how to access and use the Globus web page to move large data sets across Data Transfer Nodes (DTN).

*****NOTE*** To access other DTN systems you will need to work with the DTN administrator of that institution.**

Getting Started

You will need the following items before Globus can be utilized.

- A web browser (Firefox, Chrome, Safari, Edge)
- A local account on the DTN system (You will need to work with the institution DTN administrator.)
- A globus account (If you don't have a Globus account, one can be created on the [Globus ID page.](#))
The items below are not mandatory, but will allow you to upload files directly from your computer.
- Globus Connect Personal

Accessing Globus

1. In your web browser navigate to <https://globus.org>.
2. Click the "LOG IN" button in the upper right hand.
3. In the dropdown, select your institution and click the blue "Continue" button.
4. Use your Globus credentials to log into Globus.
5. You will then be directed to the Globus File Manager (image below).

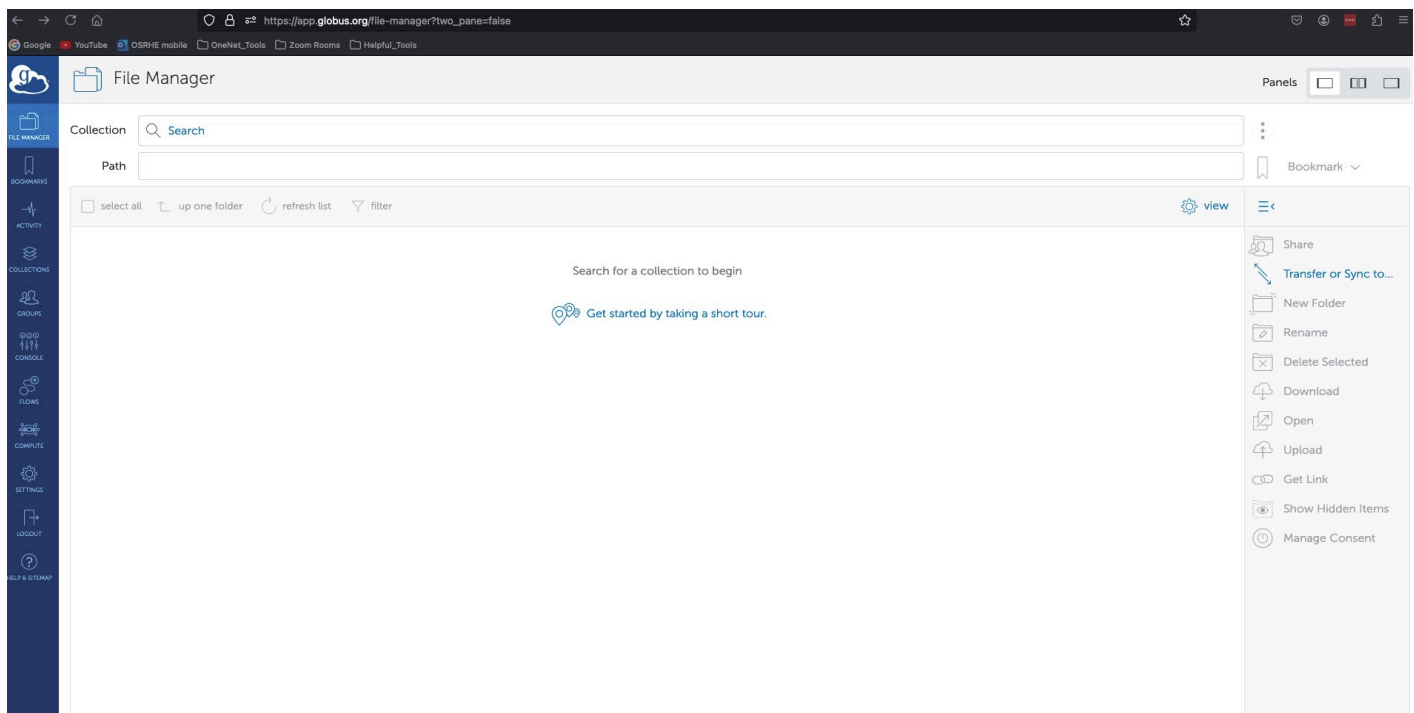


Image retrieved from https://app.globus.org/file-manager?two_pane=false on June 18, 2024.

6. In the collection search box, search for the collection (storage location) you want to access.
7. After selecting the collection, it will say "Authentication Required". Click the blue "Continue" button.

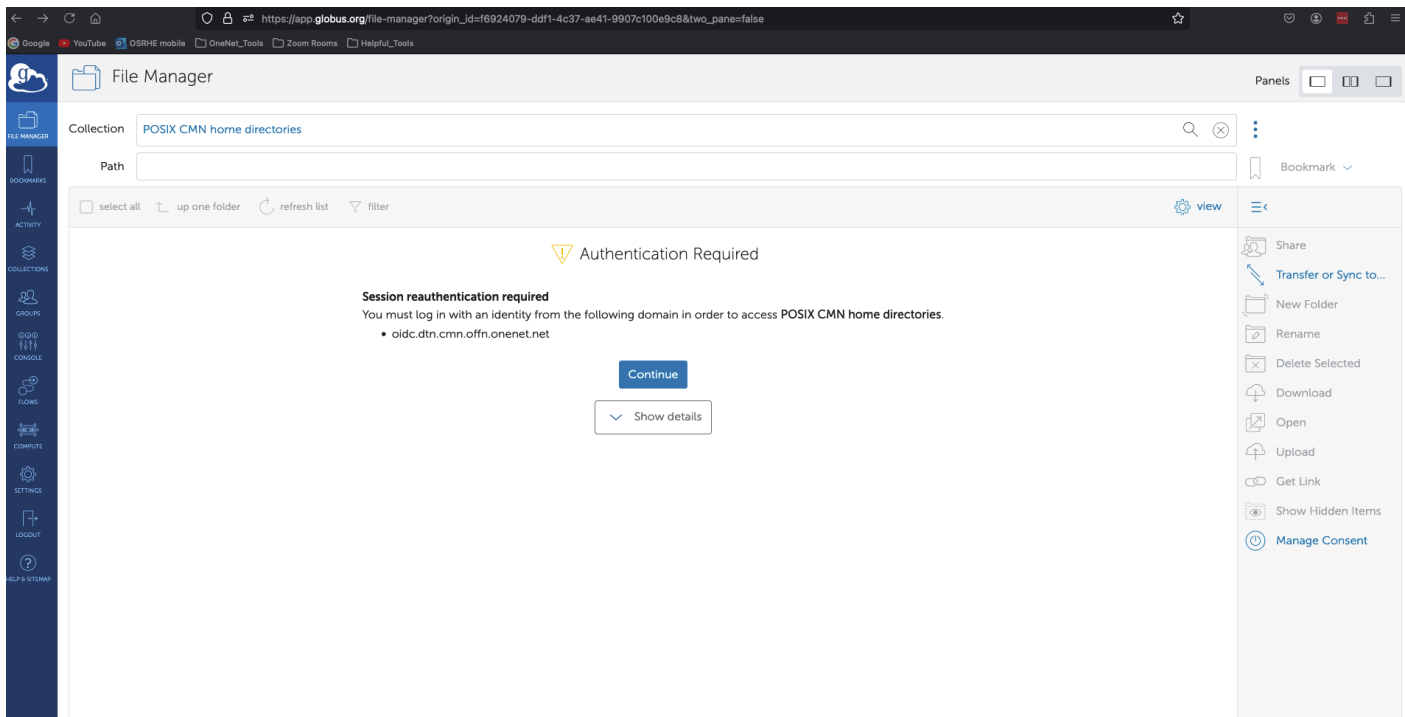


Image retrieved from https://app.globus.org/file-manager?origin_id=76bee071-6aed-4ded-913e-a1e23aefc056&two_pane=false on June 18, 2024.

8. Click the only blue link on the page you are redirected to.
 9. You will be redirected to a login page (**this is the local account created by the institution DTN administrator**).
 10. After you enter your local credentials, you will be redirected to another page with two links. Click the link that has your username in the link.
 11. It will redirect you to another login page. Login again with your local account one last time.
 12. After you login again, you will be redirected back to the Globus File Manager with access to the DTN node.
- ***NOTE*** Once you have completed this process you will not have to login again to the DTN going forward. It will retain this info within your Globus account. If you need access to another DTN you will have to follow the steps above once for the new DTN.**

Uploading Files to a Globus DTN

There are two options to upload your data to a DTN.

1. Work with your DTN administrator to upload the data to the correct location.
2. Upload the data using the Globus Connect Personal.
 - A. In the collection search box, search for the name you gave your Globus Connect Personal.
 - B. In the top right corner of the page, select the middle panel. This will give you two collections to access at the same time (image below).

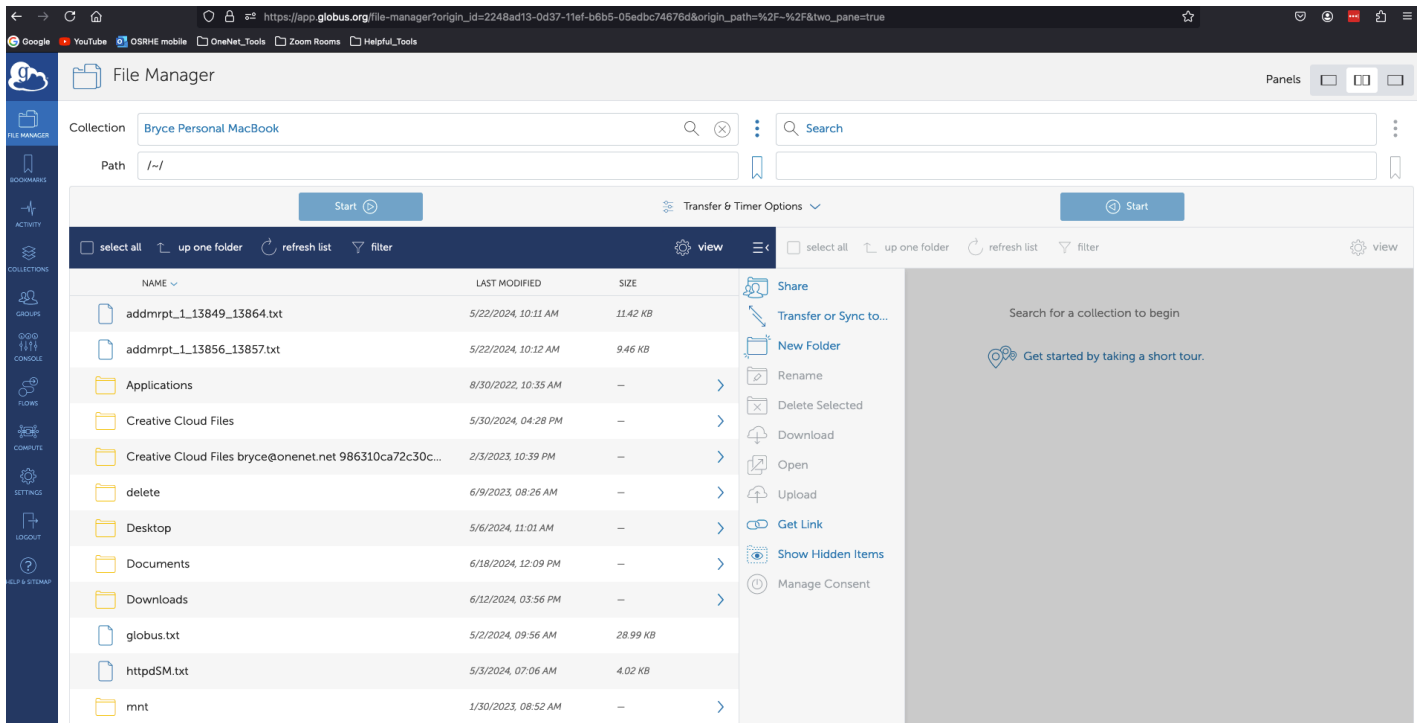


Image retrieved from https://app.globus.org/file-manager?origin_id=2248ad13-0d37-11ef-b6b5-05edbc74676d&origin_path=%2F~%2F&two_pane=true on June 18, 2024.

- C. On the panel without a collection, search for the DTN (the administrator can give you the name of the DTN to search).
- D. In your directory on your computer (in the Globus File Manager), find the file(s) you want to upload.
- E. Click the checkbox next to the file(s) you want to upload.
- F. After you have the files/directories selected, click the blue "Start" button near the top.

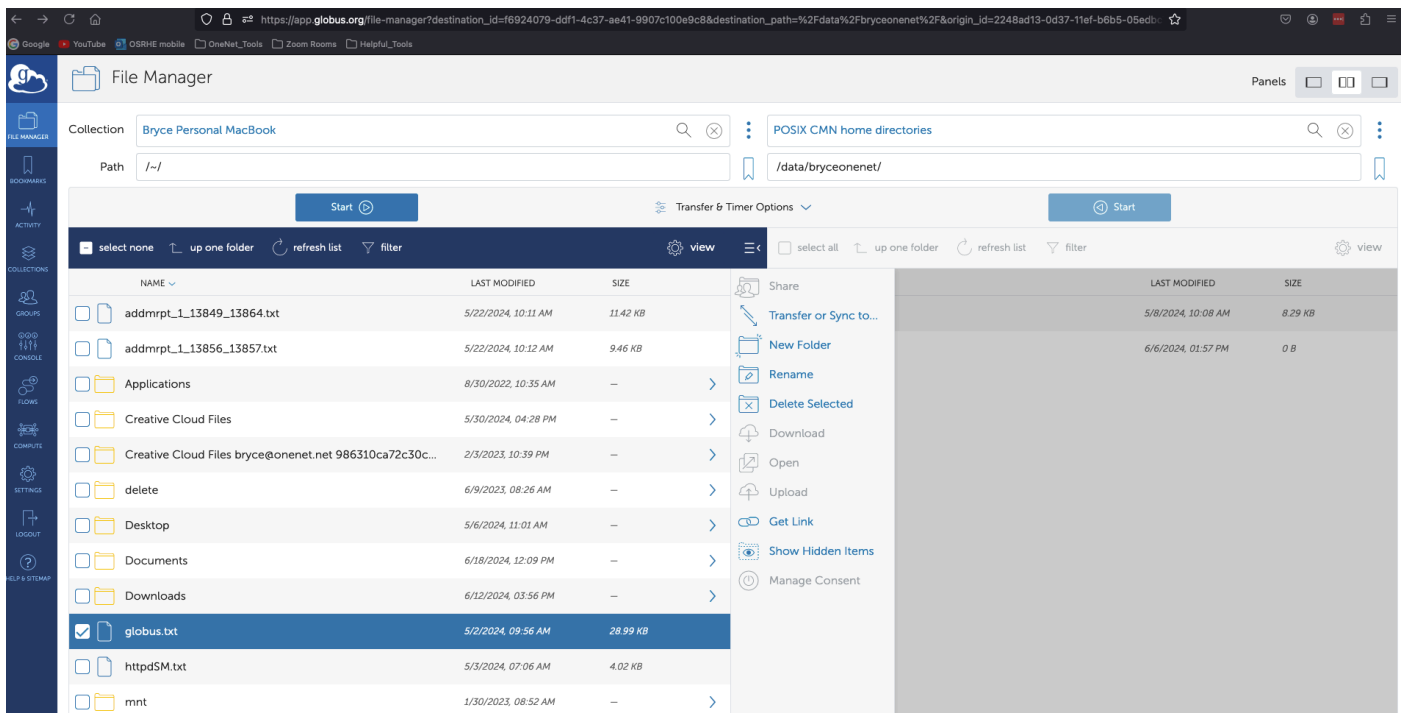


Image retrieved from https://app.globus.org/file-manager?destination_id=f6924079-ddf1-4c37-ae41-9907c100e9c8&destination_path=%2Fdata%2Fbryceonenet%2F&origin_id=2248ad13-0d37-11ef-b6b5-05edbc74676d&origin_path=%2F~%2F&two_pane=true on June 18, 2024.

G. Once the transfer is complete, you will see the file now with your DTN panel.

Transfer Data Between DTN Systems

1. In the Globus File Manager, make sure you have the two panels selected.

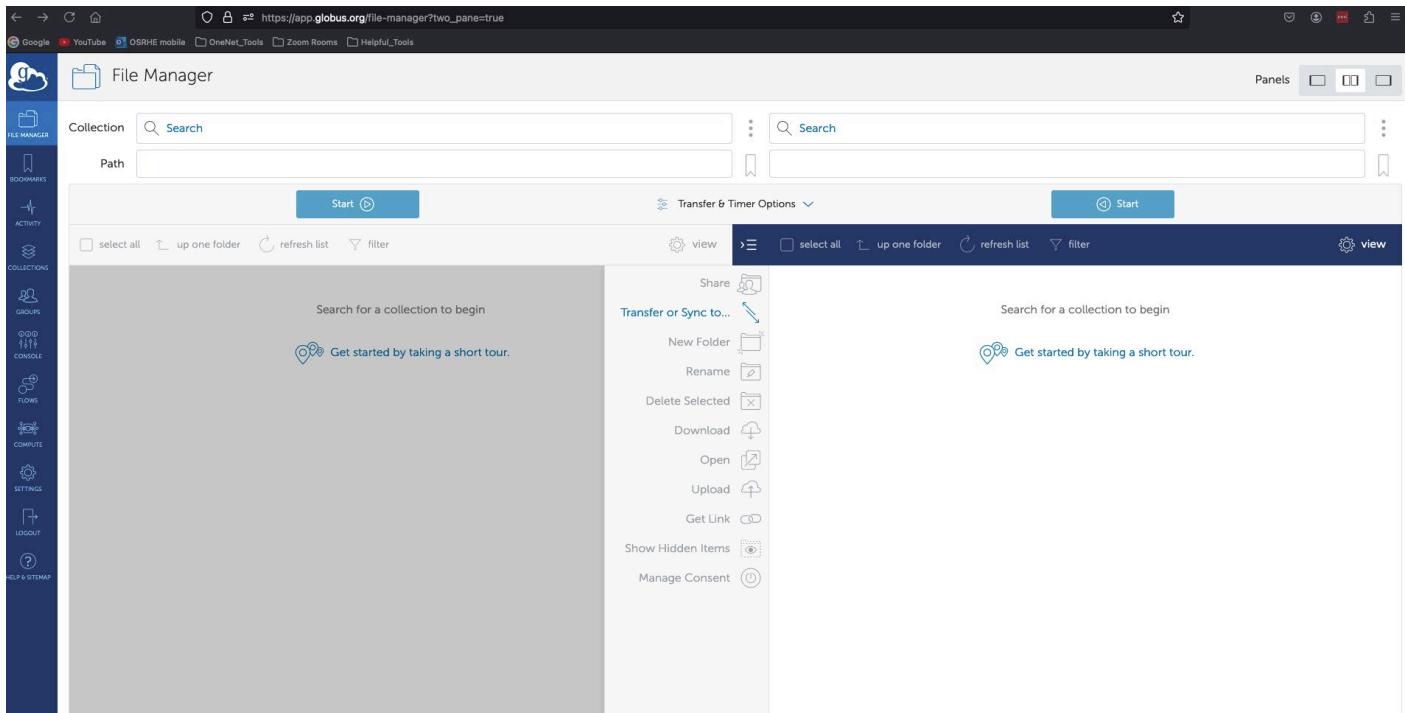


Image retrieved from https://app.globus.org/file-manager?two_pane=true on June 18, 2024.

2. In the collection search boxes, find the DTN systems you want to transfer data between.
*****NOTE*** You will need to have access to both DTN systems before you can transfer data.**
3. Select the file(s) you want to transfer with the checkbox next to their name.
4. Click the blue “Start” button near the top.

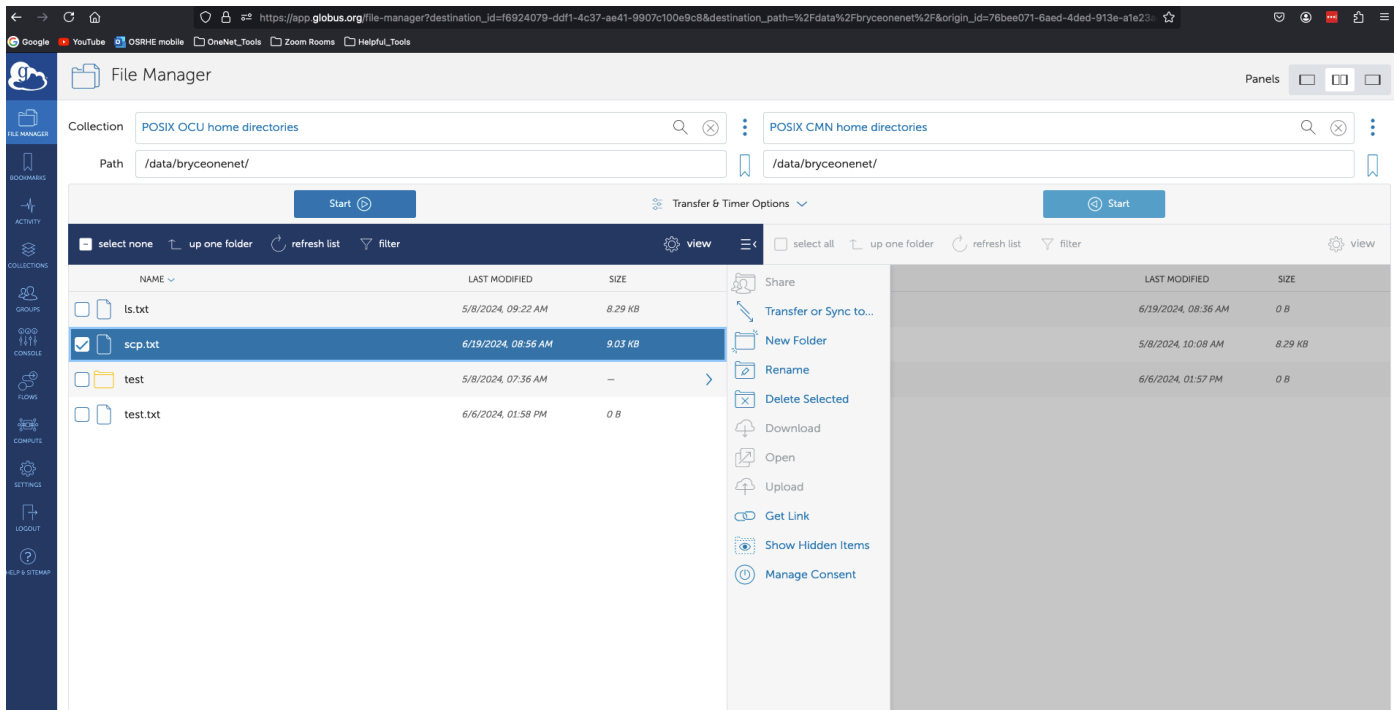


Image retrieved from https://app.globus.org/file-manager?destination_id=76bee071-6aed-4ded-913e-a1e23aefc056&destination_path=%2Fdata%2Fbryceonenet%2F&origin_id=f6924079-ddf1-4c37-ae41-9907c100e9c8&origin_path=%2Fdata%2Fbryceonenet%2F&two_pane=true on June 18, 2024.

5. Once the transfer is complete, you will see the file(s) on the other DTN panel.

Questions/Help

If you run into any issues or have any questions, please reach out to your DTN administrator, and they can help.