



# Preparing to Use Globus

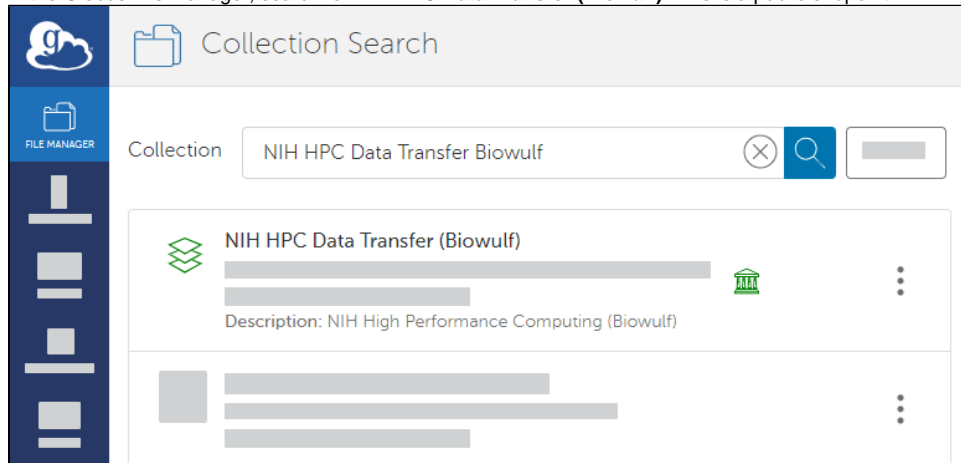
If you need to move a large volume of data, you can do so using a Globus endpoint. DME uses Globus for high performance transfer of large files. Endpoints represent locations on a file transfer service server, such as Biowulf or gridftp. In DME CLU or GUI, you can choose to use Globus for file transfer. A prerequisite is a guest collection.


For narrated slides demonstrating these instructions, refer to [prep-Globus-slides.pptx](#).

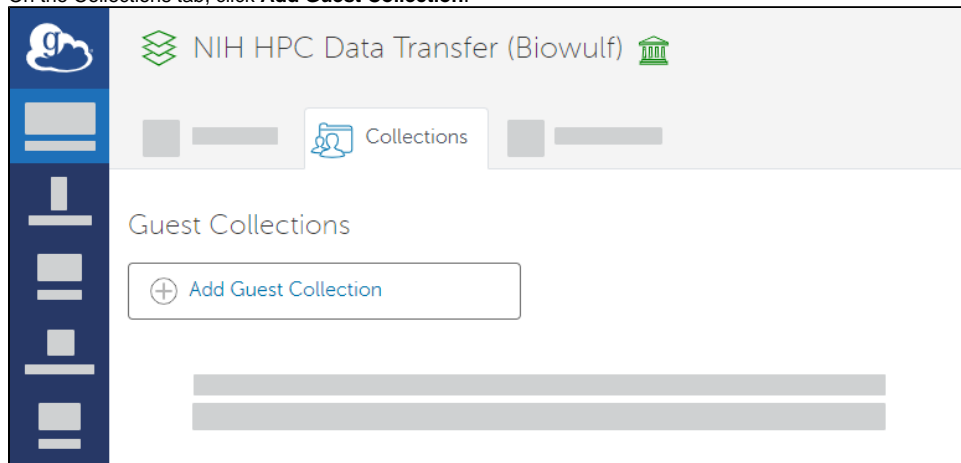
To prepare a Globus endpoint:

1. If you do not already have a shareable Globus endpoint, contact [NCIDataVault@mail.nih.gov](mailto:NCIDataVault@mail.nih.gov) and request one.
2. Log into Globus at the following site:  
<http://www.globus.org>   
Use your NIH user account credentials as described in the following page:  
<https://docs.globus.org/how-to/get-started/> 
3. If you do not already have a guest collection in Globus, create one:

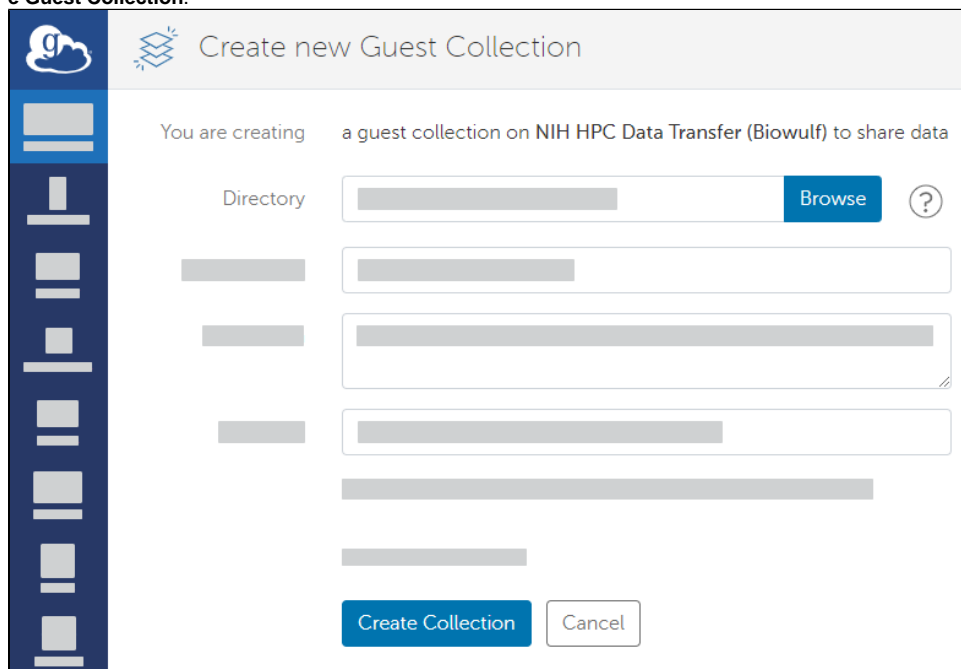
- a. In the Globus File Manager, search for **NIH HPC Data Transfer (Biowulf)**. This is a public endpoint.



- b. In the search results, in the row for NIH HPC Data Transfer (Biowulf), click the collection details icon (  ). The details page appears. On the Collections tab, click **Add Guest Collection**.

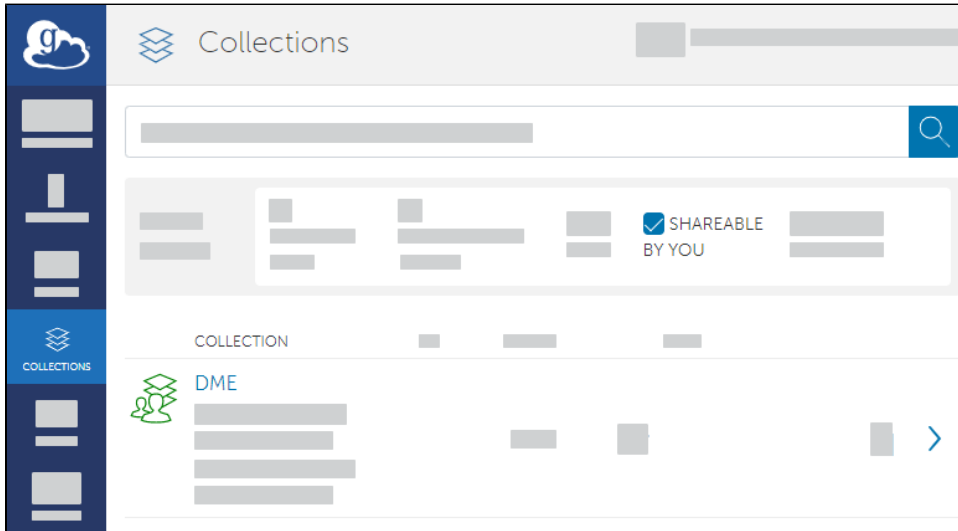


- c. On the Create new guest collection page, browse to or specify the path to the directory where you want to save your data. Click **Create Guest Collection**.

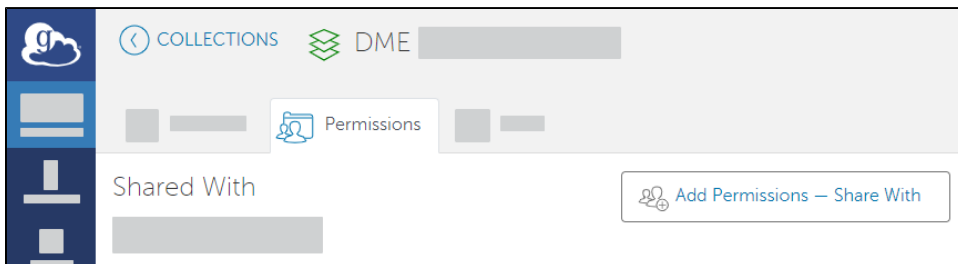


4. Share your Globus endpoint:

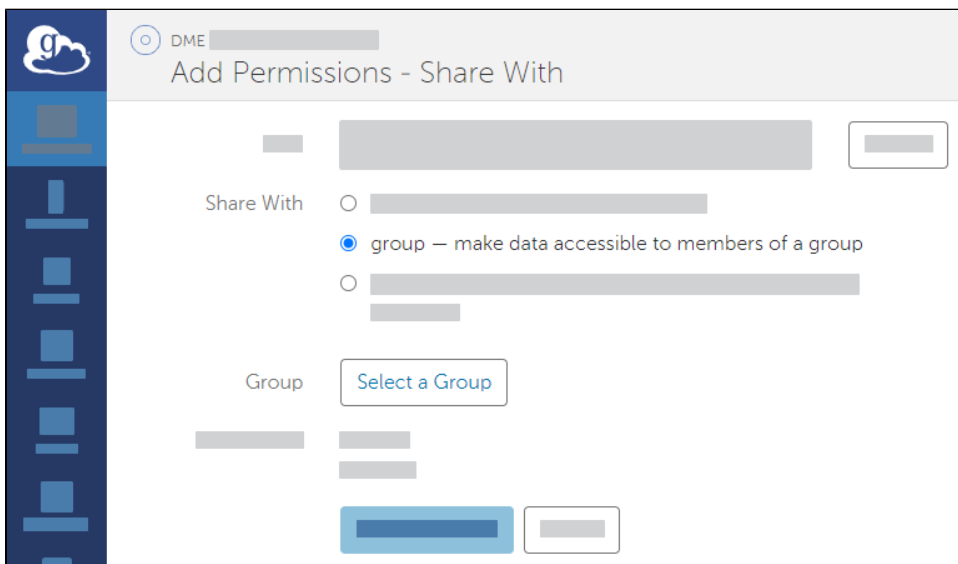
- a. In the Globus File Manager, navigate to the list of collections by opening the side bar, clicking **Collections**, and then clicking **Shareable by You**.



- b. Select your guest collection. Access the sharing configuration for that collection by clicking **Permissions**.



- c. Add permissions by clicking **Add Permissions - Share With**. In the **Share With** field, select the option to share with a group. Click **Select a Group**.



- d. Search all groups for "HPCDME-" and select the HPCDME-PROD-App-Accts-Pool-FNLCR group.

If you intend to use the UAT tier of DME, select the HPCDME-DEV-App-Accts-Pool-FNLCR group.

The screenshot shows the 'Select a Group' dialog. At the top, there's a header with the DME logo and the text 'Select a Group'. Below this is a search bar with the placeholder text 'Search for a Group'. The search bar contains the text 'MODAC'. To the right of the search bar are a clear button (X) and a search button (magnifying glass). Below the search bar, a dropdown list is open, showing two options: 'MODAC-Dev-App-Accts-Pool-NCI\_DOE' and 'MODAC-PROD-App-Accts-Pool-NCI\_DOE'. The first option is highlighted. On the left side of the dialog, there is a vertical sidebar with several icons representing different components of the system.

- e. Select the appropriate permission for the selected group: If you intend to download data from DME to the Globus endpoint, select the **write** permission.

The screenshot shows the 'Add Permissions - Share With' dialog. At the top, there's a header with the DME logo and the text 'Add Permissions - Share With'. Below this is a search bar. Under the search bar, there's a 'Share With' section with three radio button options: 'user', 'group', and 'role'. The 'group' option is selected. Below this is a 'Group' field with the text 'MODAC-PROD-App-Accts-Pool-NCI\_DOE'. Below the group field is a 'Permissions' section with two checkboxes: 'Read' and 'Write'. Both are checked. At the bottom, there is an 'Add Permission' button and a close button. On the left side of the dialog, there is a vertical sidebar with several icons representing different components of the system.

- f. Click **Add Permission**. The system adds the HPCDME Globus group to the list for the current share.

Now you can register or download data in the GUI as described in the following pages:

- [Registering from a Globus Endpoint via the GUI](#)
- [Downloading to a Globus Endpoint via the GUI](#)

To register or download data via CLU, refer to the additional prerequisites described in [Getting Started with DME CLU](#).