

How to share BioHPC Lab files with collaborators?

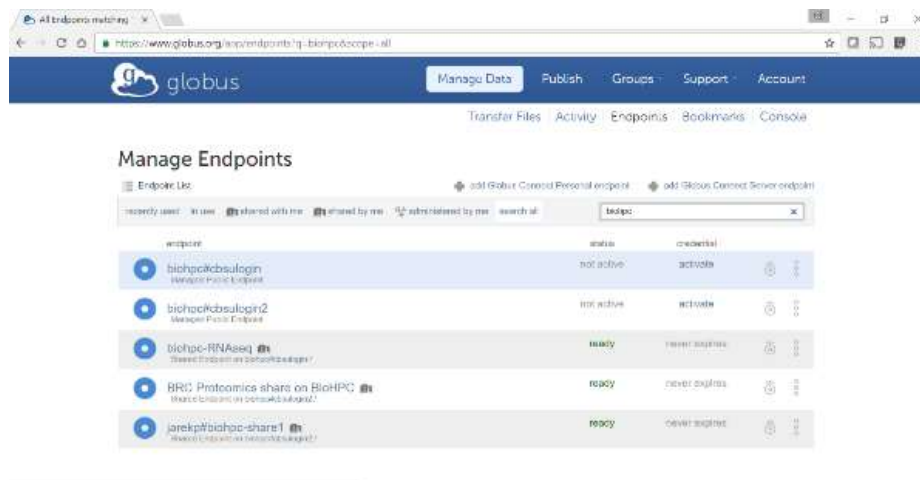
Part 1. For BioHPC users

How to set up a directory to share files?

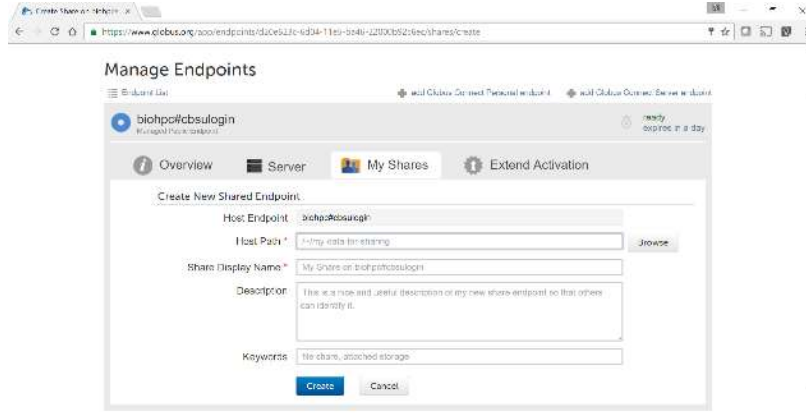
1. Create a new directory under your BioHPC home directory, put the files that you want to share in that directory. (You can do this by using the login node `cbsulogin.tc.cornell.edu`, which does not require a reservation)
2. Login to Globus.
 - Open the web site www.globus.org and click Login
 - Cornell Users can use your existing Cornell NetID or gmail account to login. Selecting “Cornell University” or “Google” and then click “Continue”. Follow the instruction to login to your account.



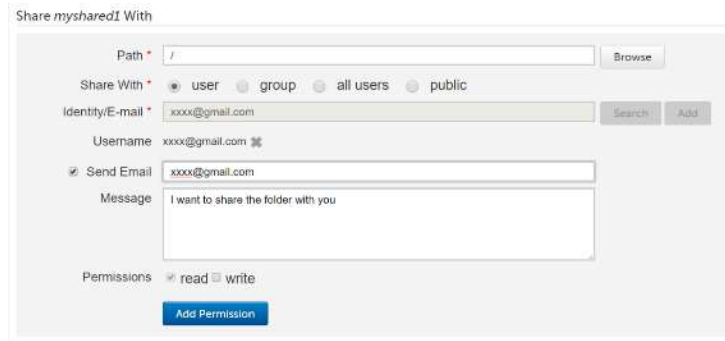
3. Create a shared endpoint that points to your shared directory.
 - After you login to the Globus web site, click “Manage Data” -> “Endpoints”
 - Under “Manage Endpoints”, click “search all”, then type “biohpc” in the search box.



- Click “Activate” button for either “biohpc#pbslogin” or “biohpc#pbslogin2”, then click “Activate Now”;
- Click “advanced” and enter the hours that you want to keep the file sharing active, then click “Authenticate”. You will be prompted to enter your BioHPC user ID and password.
- Click “My Shares” tab and click “Add Shared Endpoint”;



- Enter the following information then click “Create”,
“Host Path”: The full path of your shared directory, e.g. /home/YourBioHPC_ID/shared
“Share Display Name”: Give a name to the shared endpoint.
- Enter the email of the person you want to share the directory with, click “Add”



- Enter the “Send email” (email of of your collaborator) and optionally enter a message that will be sent to your collaborator. Click “Add Permission”.
- You can add multiple collaborators to share your directory.

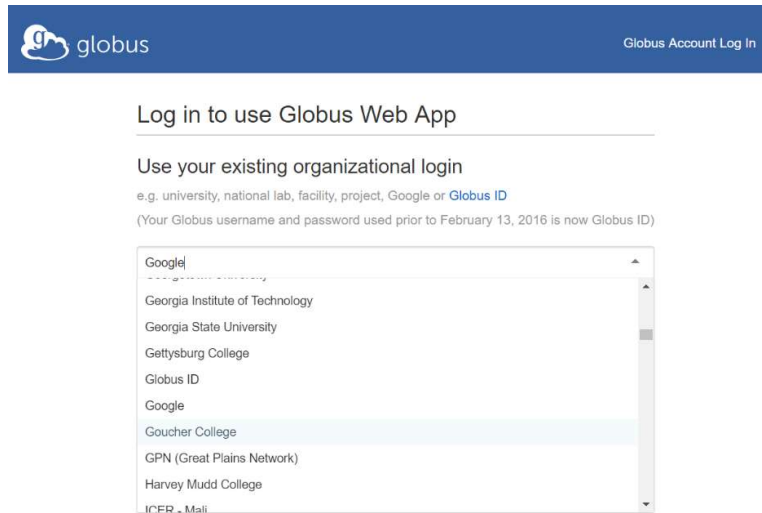
4. Your collaborator will receive an email with a web link to the shared directory.



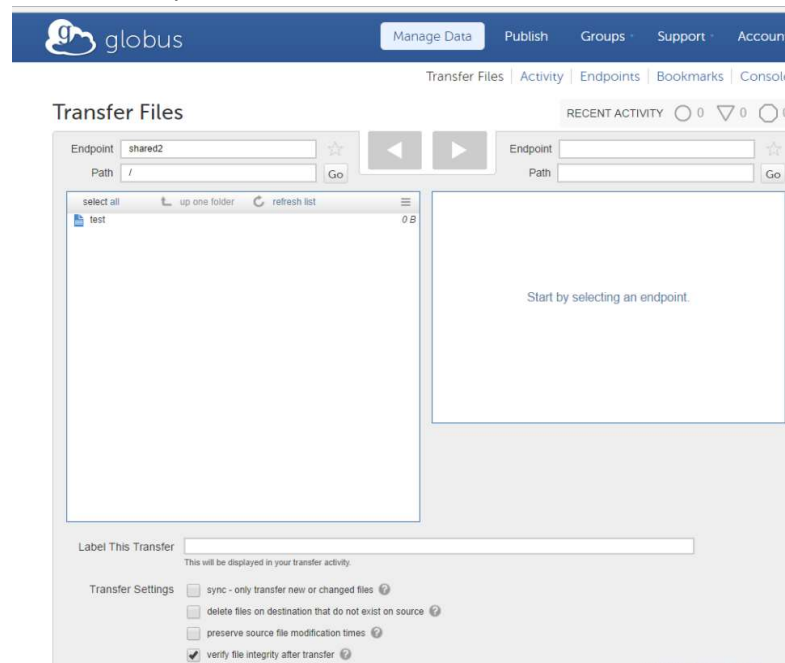
Part 2. For your collaborators

How to download the files?

1. Click the link in the email that you received. You will be prompted to login with your email account (Globus supports most university emails and Google accounts)

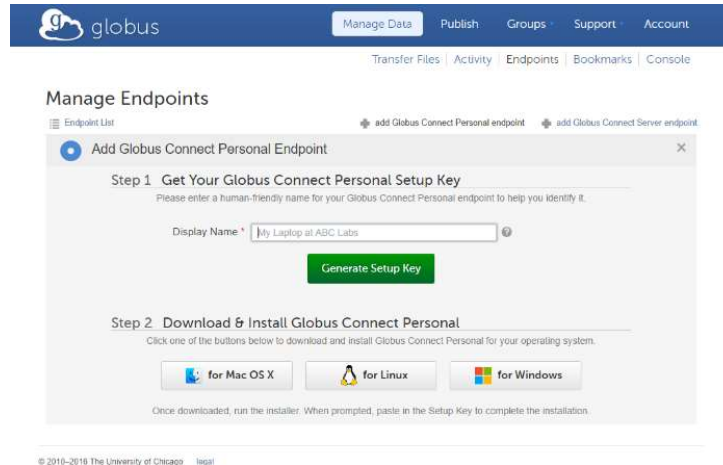


2. After you login, you will be directed to the "Transfer Files" window. The left panel is the source endpoint. The right panel is the destination endpoint. You need both endpoints to transfer files. If you do not see the source endpoint, click "Start by select an endpoint" and select the endpoint that is shared with you.

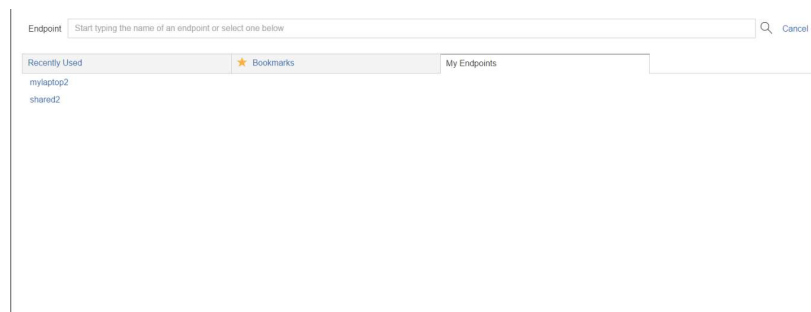


3. Create the destination endpoint to receive the files.

- The destination endpoint could either be a server that supports Globus, or your laptop computer. If your server supports Globus, follow instructions in Part 1 of this document to setup a server endpoint;
- To setup your laptop computer as an endpoint to receive files, click “Manage Data” -> “Endpoints” -> “add Globus Connect Personal endpoint”;



- In “Display Name” field, give the new endpoint a name, and click “Generate Setup Key”. Copy the Setup key which will be used in the next step;
 - Move to “Step 2” to download and install “Globus Connect Personal” on your laptop. Start the “Globus Connect Personal” software, you will be prompted to enter the Setup key, which is the string that was created in the previous step. Click “OK”. If prompted “Do you want to modify setting?”, click “No”.
4. Going back to “Transfer files” window, in the right panel, select the endpoint you just created. You should find your Endpoint under “My Endpoints”.



5. After both endpoints have been defined. Select files to transfer from the source endpoint and click the arrow button to transfer files to the destination endpoint.