How do I share files using Globus?

You can share data with other people using Globus. In this example, we will share a file already uploaded to ICER's HPCC. The same process will apply for sharing files from any endpoint (*e.g.*, personal computer, etc.). First open Globus, log in with your MSU credentials if necessary, and connect to the endpoint where the file you want to share is located. Select the file(s) or folder(s) you want to share. In this example we will share the examplemathJNB.ipynb file (blue box). Click Share (orange oval).

| ُ | File File | e Manager | | | | | | Panels | |
|-----------------|------------|------------------------|---------------|---------|-----------|--------------|-----------------------------|-------------------------------------|-------------|
| | Collection | msu#hpcc | | Q | \otimes | : | Q Search | | 0 0 0 |
| Д | Path | /mnt/home/oesterei/ | | | | | | | |
| bookmarks {r | | | Start 🕞 | \$i¢ | Transf | er & Sync | Options 🗸 | (d) Start | |
| | | S | | ŝ | view | ≡< | D 1 C | | şõj> view |
| ENDPOINTS | | NAME 🗸 | LAST MODIFIED | SIZE | (| ي م | Share | ^ | |
| <u>ROUPS</u> | | Downloads | 2/17/2021, 1: | - | > ^ | | Trar Share Sync to | Search for a collection to begin | |
| | | examplemathJNB.ipynb | 5/14/2021, 1 | 3.83 KB | | | New Folder Rename | Get started by taking a short tour. | |
| e Filows | | identifygenesGSEA.docx | 5/14/2021, 1 | 4.94 MB | | \mathbf{x} | Delete Selected | | |
| | | Intro2Linux_May_2021 | 5/18/2021, 4: | _ | > | ₽ IZ | Download Open | | |

You may need to give authentication/consent. Click Continue (orange oval).



You may need to establish a guest collection. Click Add A Guest Collection (orange oval) and provide the necessary requested information.



| You are creating | a guest collection on "msu#hpcc" to share data | |
|------------------|--|---|
| Directory | /mnt/home/oesterei/ Browse | ? |
| Display Name | LauraHarrisHPCC | |
| Description | LauraHarrisHPCChomedirectory | į |
| Keywords | genomics, Higgs boson, climate change | |
| | view more fields 🗸 | |
| | Create Collection Cancel | |

Once your guest collection is established, you can share it with other people by adding permissions to your guest collection (orange oval below).

| ٩ | Î | File Manager | 😵 LauraHa | arrisHPCC | | | | | |
|-----------------|---|-------------------------------------|----------------------------|-----------------------|--------------------------|---|------|-----------------------------|-----------------|
| | | (i) Overview | Permissions | Roles | | | | | |
| BOOKMARKS | S | Shared With | | | | (| Add | Permissions — Sha | are With |
| | | | | | | | | | |
| -4r activity | | USER OR GRO | DUP | | | | READ | WRITE | |
| | | USER OR GRO Path: / | DUP | | | | read | WRITE | £2⊕ |
| | 1 | USER OR GRO Path: / globus-02 | DUP 2 (69ab9c55-49dd-4a | fd-9a83-2e0264ccc1bd@ | clients.auth.globus.org) | | READ | WRITE I link for sharing | 220 Q_A * |

You will then establish the path of what you will share, sharing permissions, and the email of the person whom you wish to share the data.

| ٩ | LAURAHARRISHPCC Add Permission | s - Share With |
|---------------------|---|---|
| FILE MANAGER | Path | / Browse |
| БООНМАЯКS — М.г. | Share With | user - share with specific individuals group - make data accessible to members of a group all users - make data accessible to all logged in users of Globus |
| | Username or Email | O public (anonymous) - make data accessible to everyone |
| aroups - | Permissions | Read Write |
| CONSOLE | | Add Permission Cancel |

| Path | /Intro2Linux_May_2021/ | rowse |
|-------------------|--|-------|
| Share With | user - share with specific individuals group - make data accessible to members of a group all users - make data accessible to all logged in users of Globus public (anonymous) - make data accessible to everyone | |
| Username or Email | oesterei@gmail.com Search | Add |
| Permissions | ReadWrite | |
| | Add Permission Cancel | |

Do not forget to click the Add button for the email address (orange oval).

Click Add Permissions button when done.

| With | |
|--|---------------|
| nare with specific individuals make data accessible to members of a group - make data accessible to all logged in users of Globus anonymous) - make data accessible to everyone | |
| mail.com | Change |
| mail.com 🧷 | |
| access! | |
| | |
| | ission Cancel |

Now you can see the additional user on the Permissions tab. You can provide a link to the shared data by using Show Link for sharing (orange oval).

| ِ ا | | | | |
|--------------|--|-------------|-----------------|------------|
| | (i) Overview Dermissions | | | |
| BOOHMARKS | Shared With | Add Per | missions – Shar | e |
| | USER OR GROUP | READ | WRITE | |
| | Path: / | 👁 Show link | for sharing | 2 <u>0</u> |
| <u>ROUPS</u> | globus-02 (69ab9c55-49dd-4afd-9a83-2e0264ccc1bd@clients.auth.globus.org) | | | Q A |
| | Laura Harris (oesterei@msu.edu) | | | Q_A Ì |
| FLOWS | Path: /Intro2Linux_May_2021/ | 👁 Show link | for sharing | 22. |
| | oesterei@gmail.com | | | Ŵ |

By going to the Roles tab, you can Assign New Role (orange oval) to a user or group of users in your guest collection.

| ٩ | C Endpoints 😸 LauraHarrisHPCC | | | | | | | |
|---------------------|-------------------------------|--|-----------------|--|--|--|--|--|
| | () Overview Dermissions | | | | | | | |
| BOOKMARKS | Assigned Roles | | Assign New Role | | | | | |
| -//r activity | USER OR GROUP | USERNAME | ROLE | | | | | |
| | globus-02 | 69ab9c55-49dd-4afd-9a83- 2e0264ccc1bd@clients.auth.globus.org | Administrator | | | | | |
| <u>AN</u> GROUPS | Laura Harris | oesterei@msu.edu | Administrator | | | | | |

You then can assign users or user groups different accessibility to view or modify data in the guest connection. Do not forget to click the Add button for the email address (orange oval).



Click Add Role to confirm changes.

| Ð | o lauraharrishpcc Add New Re | ole | |
|-----------------|---------------------------------|--|---|
| FILE MANAGER | Assign New Ro | | ^ |
| BOOKMARKS | Assign to | O Group | |
| | User | oesterei@gmail.com | I |
| | Role | Administrator modify endpoint definition, delete the endpoint, manage roles, perform file system operations and transfers, and all capabilities of the Access Manager and Activity Manager roles | |
| | | Access Manager view, add, and delete all access rules on the endpoint; implicitly gives read/write access to the root of the endpoint | |
| PLOWS | | Activity Manager view and control tasks and other endpoint activity | |
| | | O Activity Monitor view tasks and other activity to or from the endpoint | |
| | | Add Role Cancel | ¥ |

For more information on sharing files using Globus, please see <u>https://docs.globus.org/how-to/share-files/</u>.