

How to: Accessing JH-managed Collections in Globus



This document outlines how to create a Globus account, associate it with the JH organization, create a mapped collection on a local computer, use HPC OnDemand to access Globus for file transfers, and use premium connectors like OneDrive to facilitate transfers between storage services.

For more extensive documentation on using advanced features and workflows within Globus, please visit <https://docs.globus.org/>. If you have any issues or questions related to JH-managed collections, please email RITServices@jh.edu and provide the name of the collection you need access to, whether this is a SAFESTOR or DISCOVERY access issue, and screenshots if possible.

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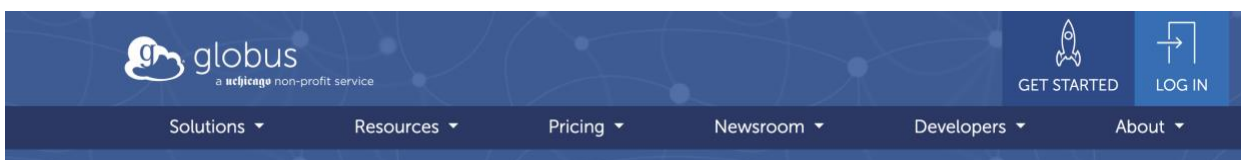
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Associating JH users with the Globus website

1. Go to [Globus.org](https://globus.org) and select the 'Log In' icon in the upper right corner of the page.



2. On the log in screen, type or select 'Johns Hopkins' from the dropdown and click 'Continue.'

A screenshot of the 'Log in' screen. The title is 'Log in'. Below it, the text says 'Use your organizational login' followed by 'e.g., university, national lab, facility, project'. There is a dropdown menu with 'Johns Hopkins' selected. Below the dropdown is a 'Continue' button. A link for 'privacy policy.' is also visible.

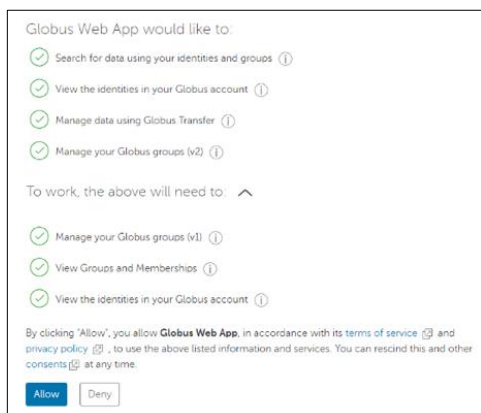
3. Select the 'non-profit research or educational purposes' and acknowledge that you have read the terms and conditions. Then click 'Continue.'

A screenshot of the 'Complete Your Sign Up' screen. The title is 'Complete Your Sign Up For pshinga1@johnshopkins.edu'. It shows fields for Name (Purveshkumar Shingala), Email (pshinga1@jh.edu), and Organization (Johns Hopkins). Under 'Account will be used for', the 'non-profit research or educational purposes' option is selected. There is a checkbox for 'I have read and agree to the Globus Terms of Service and Privacy Policy' which is checked. A 'Continue' button is at the bottom. A small footnote at the bottom states: '*This field is specified by the identity provider and cannot be modified by Globus. If you change it with your identity provider, it will propagate to Globus the next time you log in.'

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4. Give Globus permissions to manage your Globus account by selecting 'Allow.'



Creating a mapped collection on a local computer or workstation

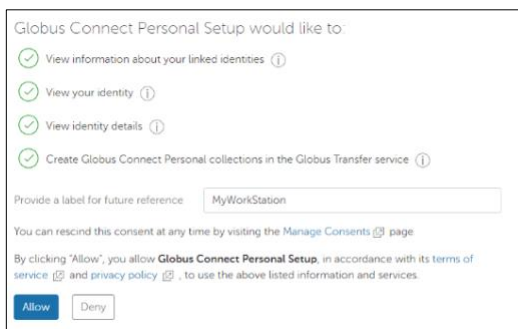
1. Go to the [Globus Connect Personal download page](#) and download the software for the operating system of the machine you want to use.




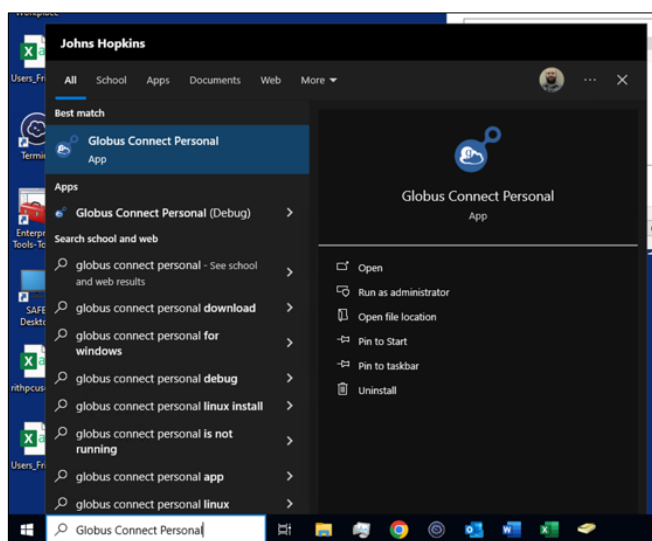
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2. Open the installer and follow the instructions. Name the collection as a description specific to the workstation you are using (e.g. OfficeWorkstation_MRB363). Then click 'Allow.'



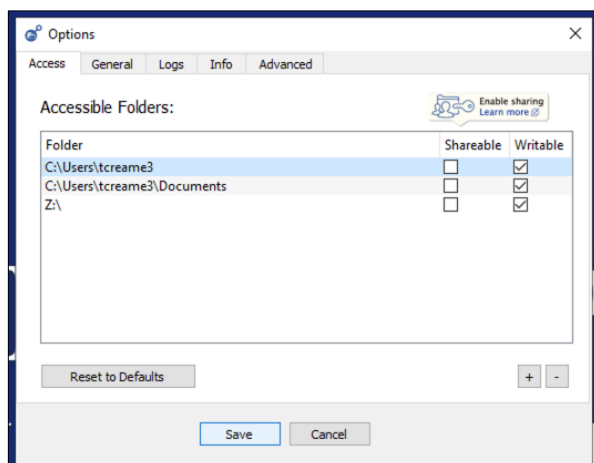
3. To make sure Globus Personal Connect is running on the local machine, right click the Globus icon in the lower right of the Taskbar  and select the 'Options' menu if you are on Windows OS and 'Preferences' menu if you are on MacOS.



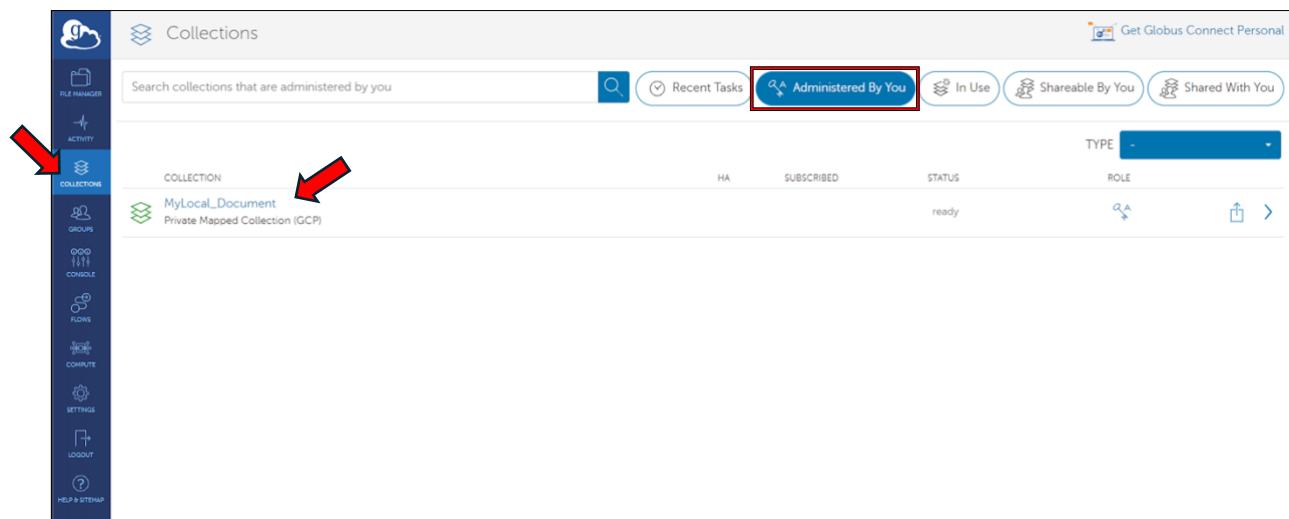
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4. In the Access tab, add/delete collections on your local computer that you want Globus to have access to. This can be local, USB, or network drives. Make the locations writable if you want to transfer data to your local device.
Please Note: Shareable is a premium feature that is available with a subscription.



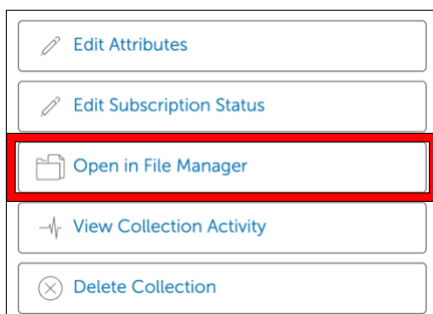
5. Once these collections are created, they will be found on the Globus.org website, under the 'Collections' tab when the 'Administered By You' tab is selected.



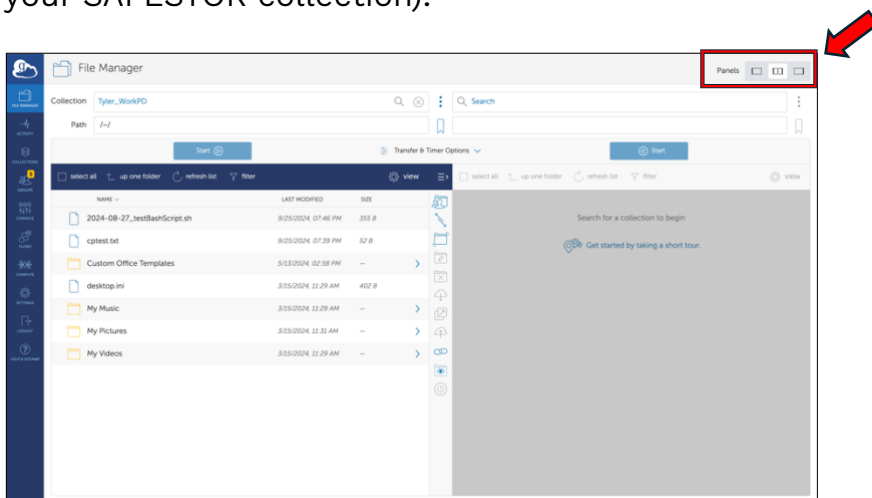
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6. Select the collection and then, on the right side of the new page, select Open in File Manager.



7. Once in the [File Manager](#), the dual pane option can be selected from the upper right corner and data transferred between two collections. The other collection can be another collection you control or a managed collection you have access to (e.g. DISCOVERY HPC projects or home directories or your SAFESTOR collection).



[JH-RIT-DISCOVERY-home \(HA\)](#)

Subscribed Mapped Collection (GCS) on RIT Globus Endpoint HA



[JH-RIT-DISCOVERY-projects \(HA\)](#)

Subscribed Mapped Collection (GCS) on RIT Globus Endpoint HA

DISCOVERY HPC locations are:

- JH-RIT-DISCOVERY-home (HA)
- JH-RIT-DISCOVERY-projects (HA)

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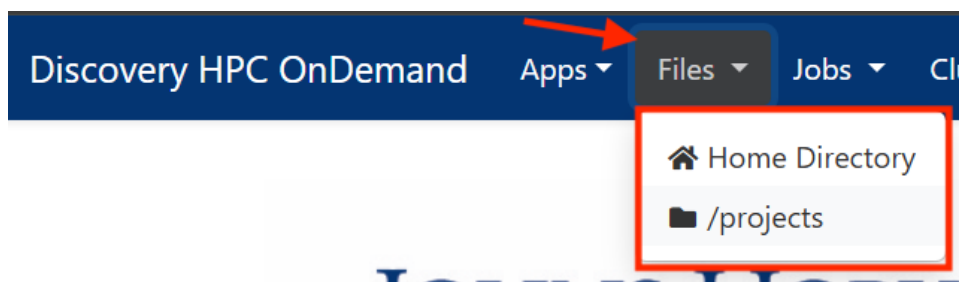
- [Note: You need access to the DISCOVERY HPC before being able to access these collections]

SAFESTOR shares are shared by Research IT administrators

- These collections are shared through an email link to the Globus specific users or can be found on the Globus webpage in the Collections tab.
- You must have authenticated your JH account with Globus (section 1 of this document) before the SAFESTOR share can be accessed.
- If you have a SAFESTOR share that you would like to access through Globus, please contact RITServices@jh.edu including the name of the share and the JHED ID of the users that need access.

Using HPC OnDemand to access Globus for file transfers

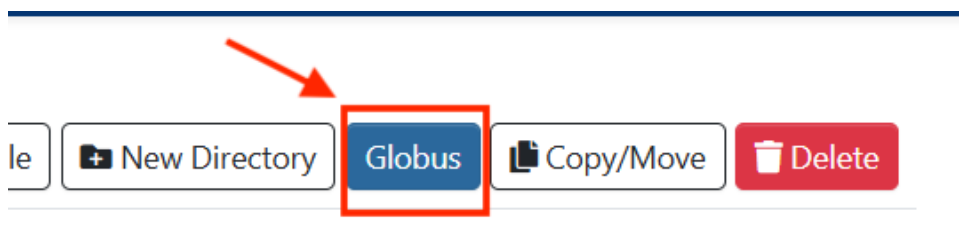
1. On the [DISCOVERY HPC OnDemand Dashboard](#), click the dropdown next to 'Files.'



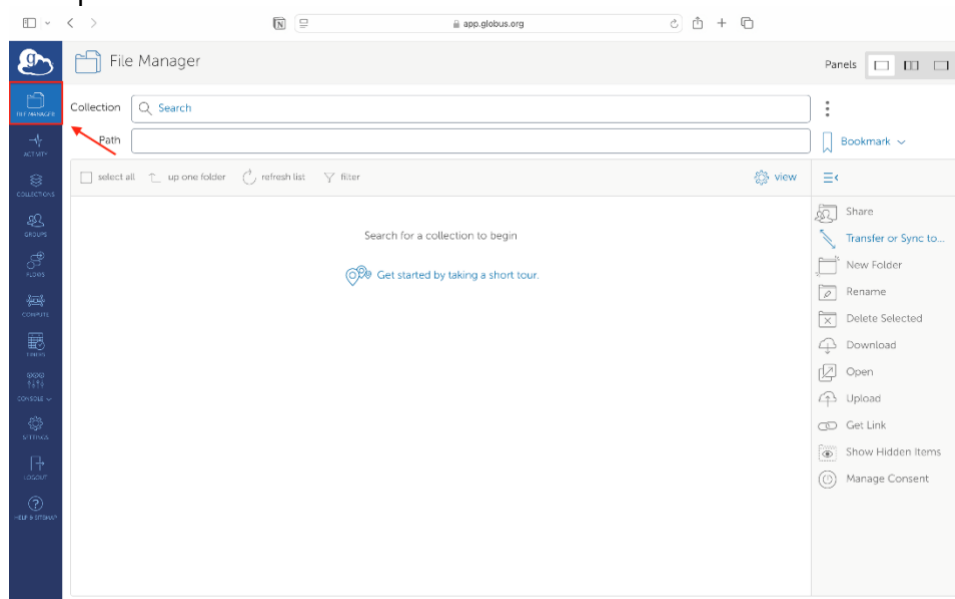
Choose one of the following options:

- a. Home Directory:
 1. Selecting this option opens your personal home directory.
 2. Click the highlighted 'Globus' button in the upper-right corner to launch the Globus File Manager for your home directory.
- b. /projects:
 1. Selecting this option opens the /projects directory.
 2. Navigate to your specific project folder, then click the highlighted 'Globus' button in the upper-right corner to open it in Globus.

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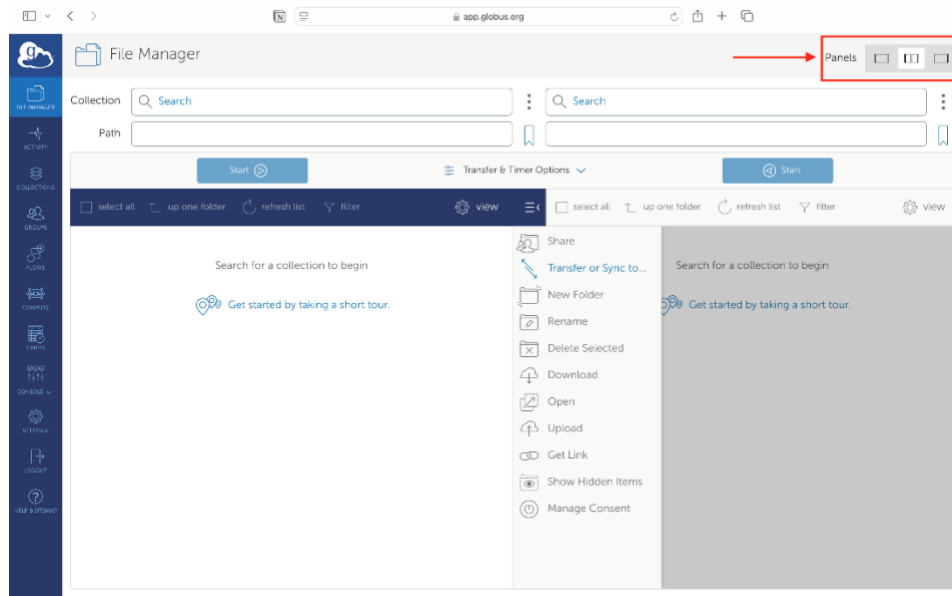
2. Once in Globus, click the 'File Manager' tab from the left-hand toolbar to open the transfer interface.



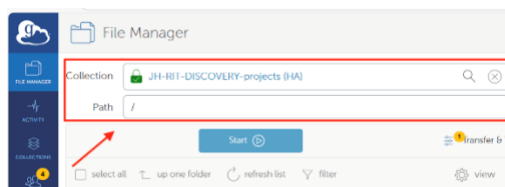
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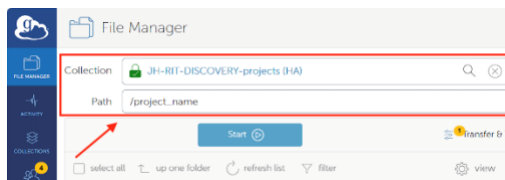
3. Click the panels icon in the top right corner to enable split view. This allows you to display two endpoints side-by-side for easy transfers.



4. In the first endpoint, in the field titled 'Collection,' enter the source collection name (e.g. JH-RIT-DISCOVERY-projects (HA) or JH-RIT-DISCOVERY-projects (HA)).



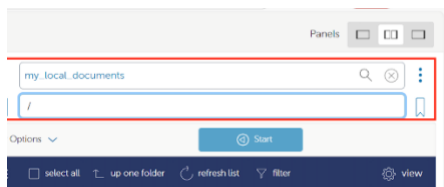
5. Next, in the field titled 'Path,' enter the source project path for the first endpoint. Ensure that it starts with '/' (e.g. /project_name).



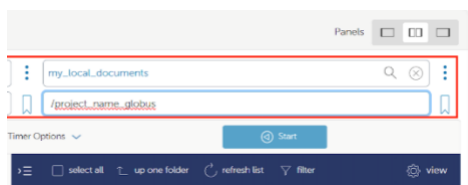
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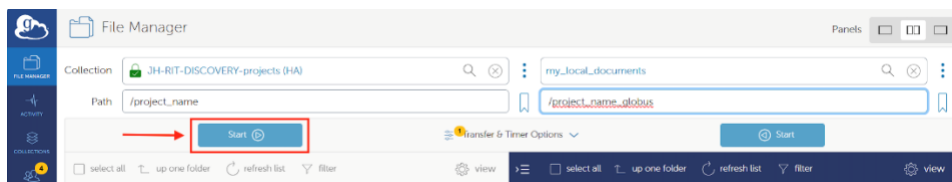
6. In the second endpoint, in the collection field, enter the destination collection name (e.g. my_local_documents).



7. Next, in the path field, enter the destination folder path (e.g. e.g., /project_name/globus)

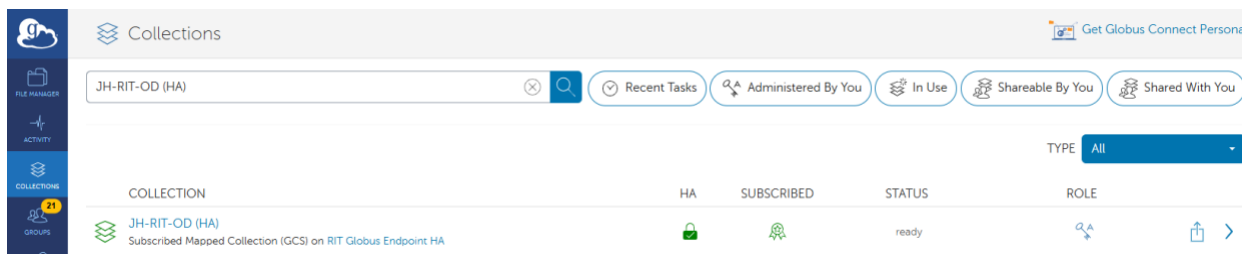


Select the files or folders you want to transfer. Then, click 'Start' to begin the transfer. Monitor the progress and ensure the transfer is completed successfully.



Visualize the OneDrive file system in Globus web UI for transfers of OneDrive files

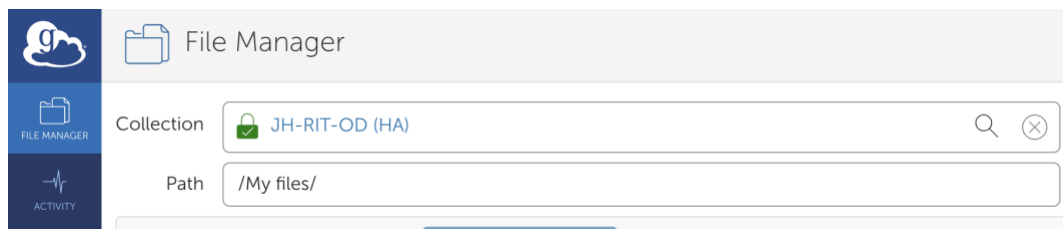
1. Navigate to the Collections tab on the left pane and search for the JH-RIT-OD (HA) collection.



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2. Select the collection and then select 'Open in File Manager' on the right side of the screen.



3. When accessing for the first time, you will need to request access and follow the on-screen instructions to authenticate your OneDrive account with Globus.
 - This will be through the JH single sign on page from Microsoft
 - The first time you authenticate, a request to IT@JH will be made to connect your OneDrive to your Globus account.
 - For the request you will need to state that you are connecting your OneDrive account to Globus.
4. Once you have been approved, you will be able to access you OneDrive files in the File Manager and can transfer between your collection and other collections you have access to.