

Accessing Data via Globus

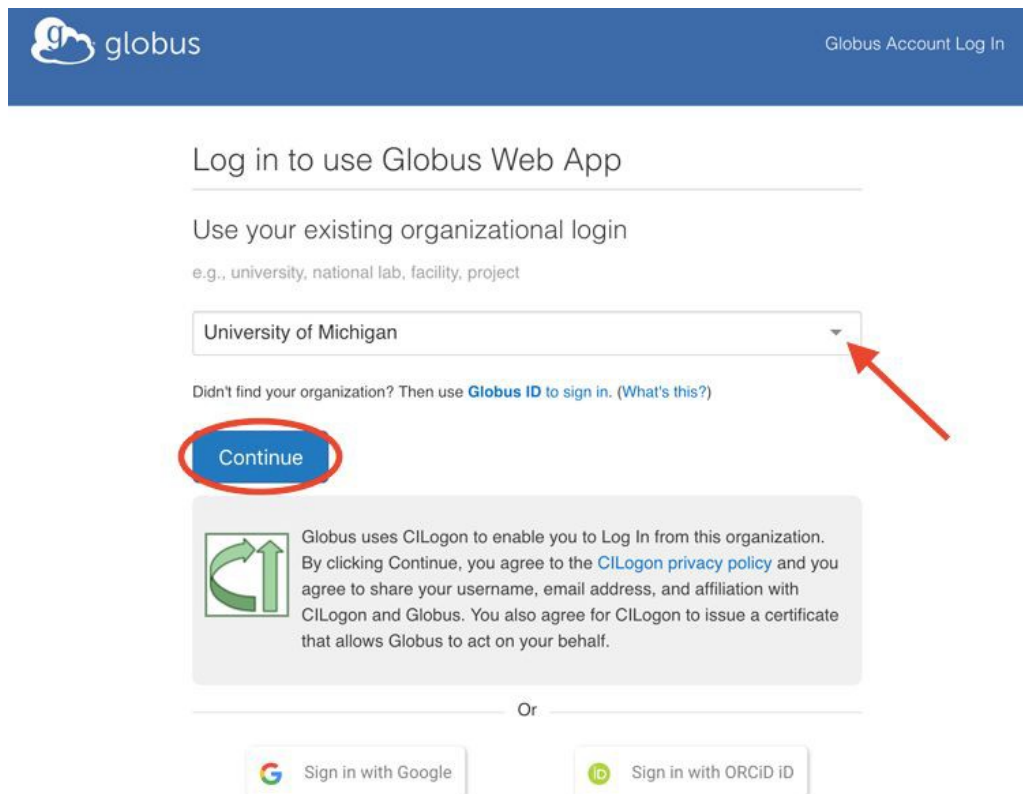
Globus enables secure and reliable transfers that are easy to monitor and troubleshoot with the help of support@globus.org. We have outlined the basic steps to transferring your data to your server, computer, or external drive, and provided answers to some of the frequent questions we receive. Additional resources are available through Globus if you continue to have issues we cannot quickly resolve. The basic steps to accessing data are:

- 1) Log in to globus.org with an existing account or create a GlobusID
- 2) Establish your Globus Endpoint using Globus Connect Personal/Server
- 3) Begin a Data Transfer
- 4) Check the Status of a Transfer

Logging into Globus: Organizational Login or Create a GlobusID

Method 1: Login with Organizational Login

- Use the drop-down menu to select your organization, then click continue to proceed to your organization's log-in page.
- If your organization is **NOT** available for selection, you will need to [create a GlobusID](#).



The screenshot shows the Globus login interface. At the top, there is a blue header with the Globus logo and a "Globus Account Log In" link. Below the header, the main heading is "Log in to use Globus Web App". Underneath, it says "Use your existing organizational login" with a subtext "e.g., university, national lab, facility, project". A dropdown menu is shown with "University of Michigan" selected. A red arrow points to the dropdown arrow. Below the dropdown, there is a link: "Didn't find your organization? Then use [Globus ID to sign in.](#) (What's this?)". A blue "Continue" button is circled in red. Below the button, there is a box with a green circular arrow icon and text: "Globus uses CILogon to enable you to Log In from this organization. By clicking Continue, you agree to the [CILogon privacy policy](#) and you agree to share your username, email address, and affiliation with CILogon and Globus. You also agree for CILogon to issue a certificate that allows Globus to act on your behalf." At the bottom, there are two buttons: "Sign in with Google" and "Sign in with ORCID ID".



747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

Method 2: Create a GlobusID

- Complete the fields at [Create a Globus ID](#) to create a new GlobusID account as shown below.
 - **Note:** The email address you use *must* be the same email the data has already been shared with. If you use a different email address to create an account **send us your GlobusID** and we can add permissions to the new account.

Create a Globus ID

[Already have a Globus ID? Log In](#)

Username @globusid.org

Your username will be checked for availability.

Usernames may contain both letters and numbers, but must begin with a letter and be between 3 and 31 characters long.

NOTE: this is an ID you are creating — not a working e-mail address

Password

Better passwords are longer, use mixed-case letters with punctuation and numbers.

Your password must be strong to be accepted.

show password

Full Name

E-mail

This account will be used for

- non-profit research or educational purposes
 commercial purposes

Organization

I have read and agree to the Globus [Terms of Service](#) and [Privacy Policy](#)

Create ID

747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

Next **activate** your newly created Globus account by copying the verification code sent to your email from support@globus.org



Establishing a *Globus Endpoint*

Choosing the Appropriate Globus Endpoint Type

- Prior to starting a data transfer you must configure a *Globus Endpoint* using Globus Connect
- Follow the guides [Globus Connect](#) to install the appropriate version of Globus Connect.
 - **Globus Connect Personal:** Laptops or other personal computers are set up as *personal* endpoints, typically by individuals
 - **Globus Connect Server:** Multi-user resources such as campus storage systems and HPC clusters are set up as server endpoints, typically system administrators

Researchers and other end users

Network and System Administrators

Globus Connect Personal

Creates a Globus endpoint on your laptop or other personal computer and allows you to transfer and share files, even if you don't have administrative privileges on your machine. Globus Connect Personal is available for Mac OS X, Windows, and Linux operating systems.

Get Globus Connect Personal

Globus Connect Server

Creates a Globus endpoint on multi-user systems such as a lab servers, campus research computing clusters, and other high-performance computing or storage resources. Globus Connect Server is available for all POSIX-compliant filesystems, and many object stores and tape archives.

Get Globus Connect Server

747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

Installation: Globus Connect Personal

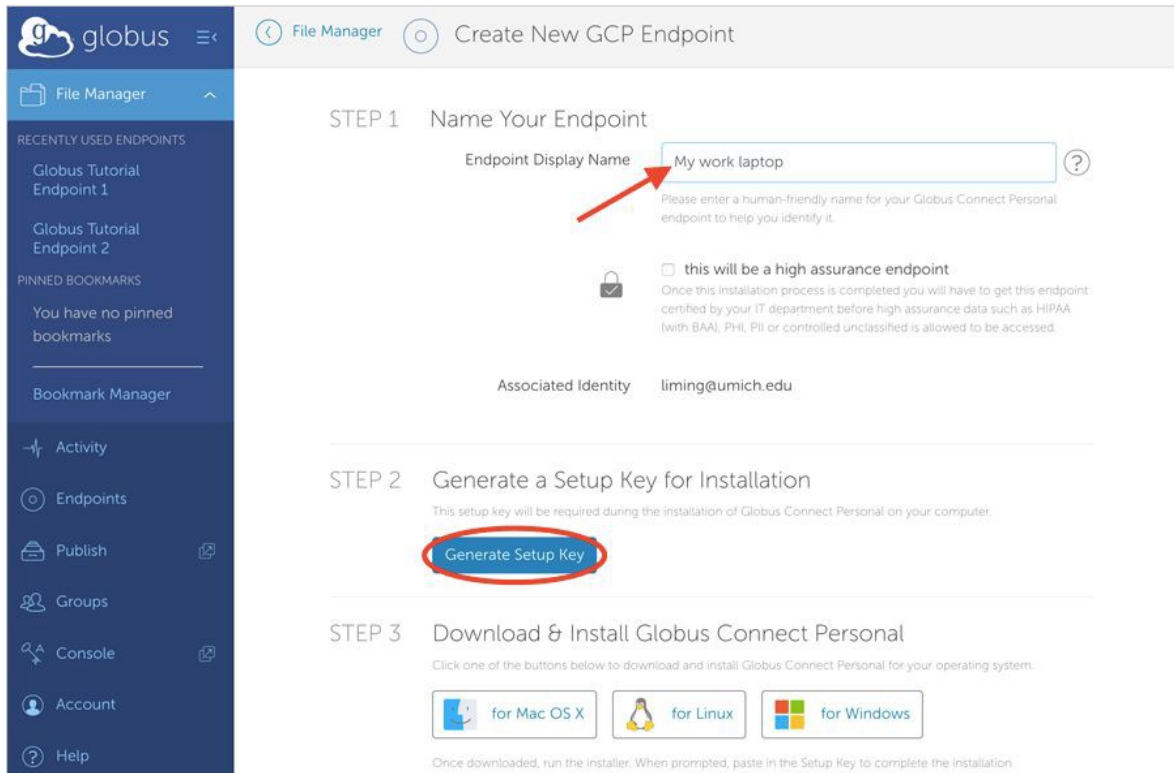
[Endpoint Installation for Windows](#)

[Endpoint Installation for Linux](#)

[Globus Connect Server Installation Guide](#)

For Mac OS X

- Go to [Create an Endpoint for Mac](#) enter a name for your endpoint, then select “Generate Setup Key”
- **Copy the “Setup Key”** generated by Globus, then Download & Install the appropriate version of Globus Connect for your operating system



The screenshot shows the Globus Connect Personal web interface. The top navigation bar includes the Globus logo and a menu icon. Below the navigation bar, there are two tabs: 'File Manager' and 'Create New GCP Endpoint'. The main content area is divided into three steps:

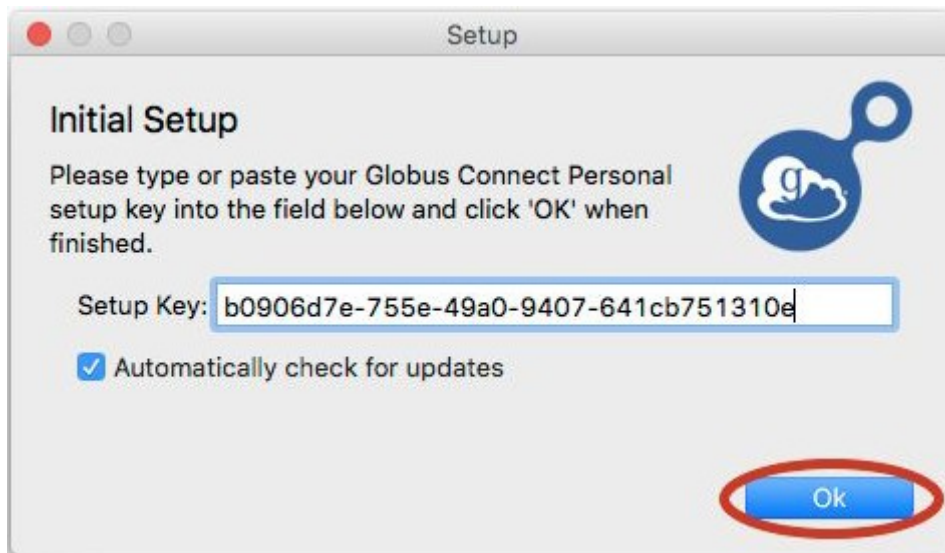
- STEP 1: Name Your Endpoint**
 - The 'Endpoint Display Name' field contains the text 'My work laptop'.
 - A red arrow points to the 'Endpoint Display Name' field.
 - Below the field, there is a note: 'Please enter a human-friendly name for your Globus Connect Personal endpoint to help you identify it.'
 - There is a checkbox labeled 'this will be a high assurance endpoint' which is currently unchecked.
 - Below the checkbox, there is a note: 'Once this installation process is completed you will have to get this endpoint certified by your IT department before high assurance data such as HIPAA (with BAA), PHI, PII or controlled unclassified is allowed to be accessed.'
 - At the bottom of this step, the 'Associated Identity' is listed as 'liming@umich.edu'.
- STEP 2: Generate a Setup Key for Installation**
 - The text below the step title reads: 'This setup key will be required during the installation of Globus Connect Personal on your computer.'
 - The 'Generate Setup Key' button is circled in red.
- STEP 3: Download & Install Globus Connect Personal**
 - The text below the step title reads: 'Click one of the buttons below to download and install Globus Connect Personal for your operating system.'
 - There are three buttons: 'for Mac OS X', 'for Linux', and 'for Windows'.
 - At the bottom of this step, there is a note: 'Once downloaded, run the installer. When prompted, paste in the Setup Key to complete the installation.'

747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

- Open the downloaded file, drag the Globus Connect Personal application to your applications folder



- Open the Globus Connect Personal application, paste the “**Setup Key**” into the prompt in the setup window



- Globus Connect Personal will now connect with Globus and await transfer commands!

747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

Configuration: Globus Connect Personal

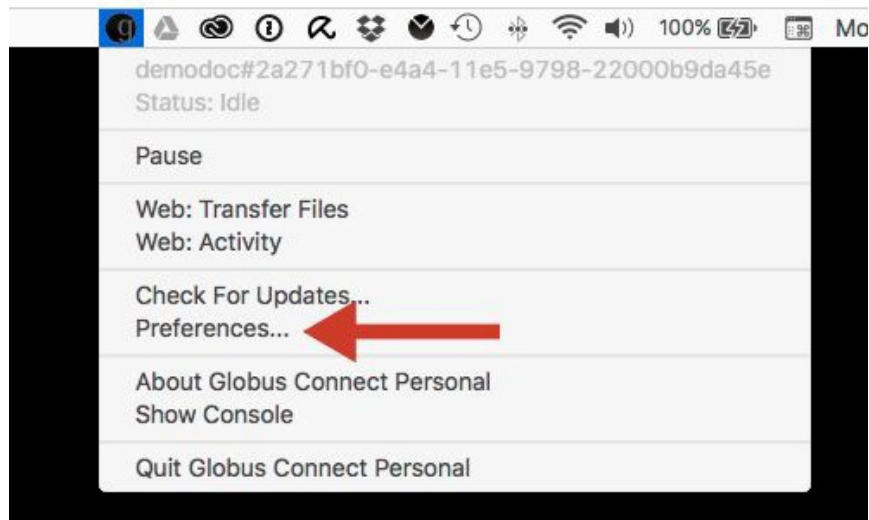
[Endpoint Installation for Windows](#)

[Endpoint Installation for Linux](#)

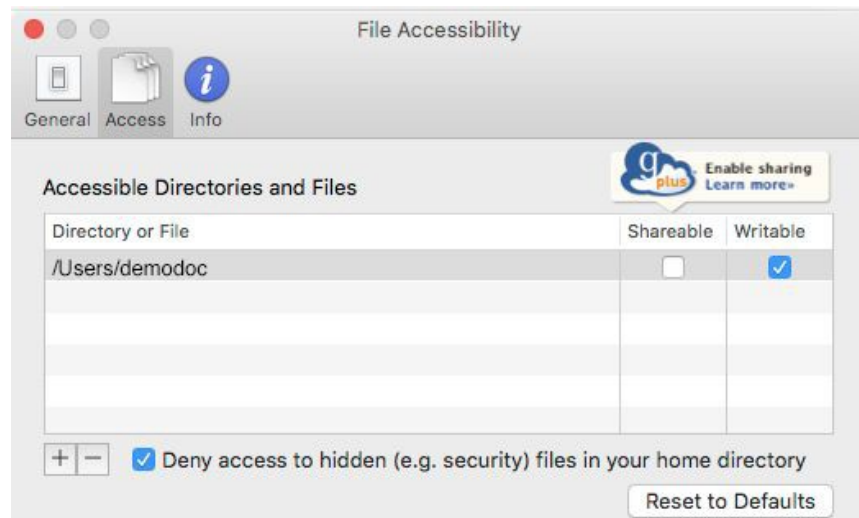
[Globus Connect Server Installation Guide](#)

For Mac OS X

- Using an external hard drive usually requires permissions configurations
- Configure your globus endpoint by opening the globus menu and selecting “Preferences”

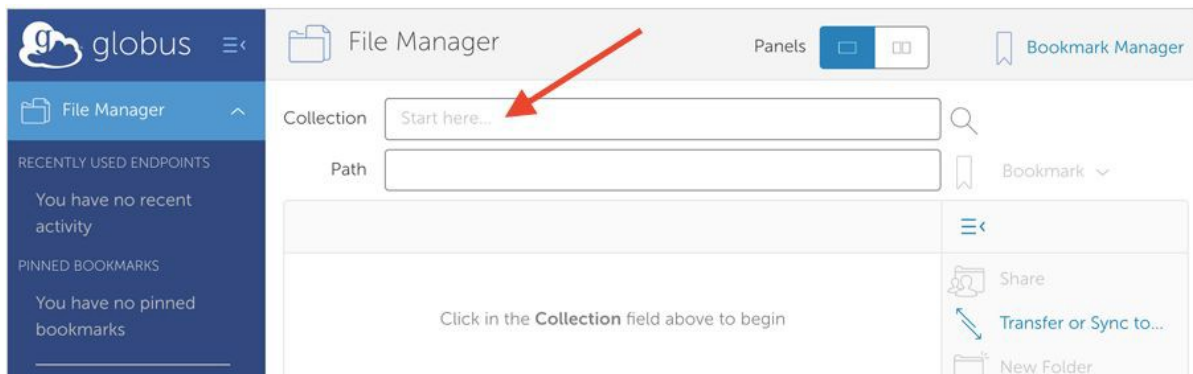


- The “Access” tab lists which of your directories are accessible for transfer and sharing.
 - Use the + icon in the bottom left corner to add access to external storage

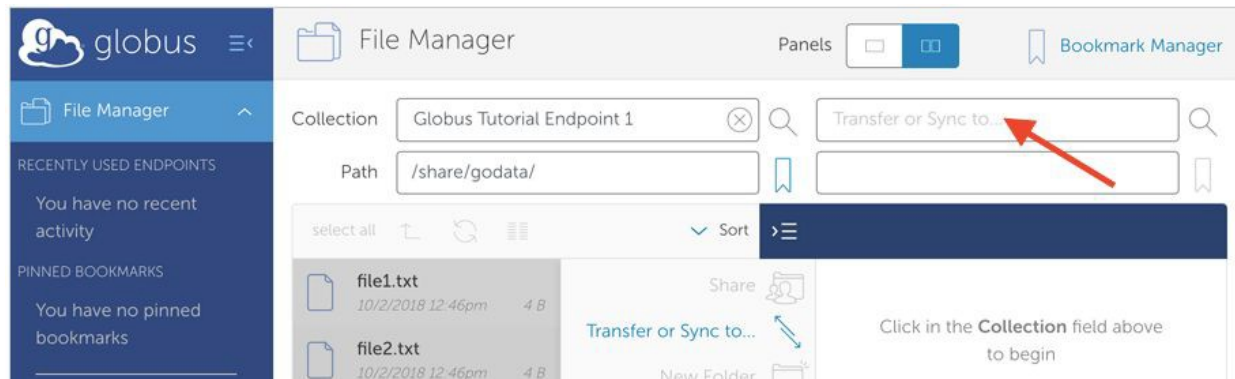


Beginning a Data Transfer using Globus

- Use the link provided to access the File Manager page, or type your project code into the Collection field to search for the endpoint.
- Select “Transfer or Sync to...” from the control panel on the right side of the page.

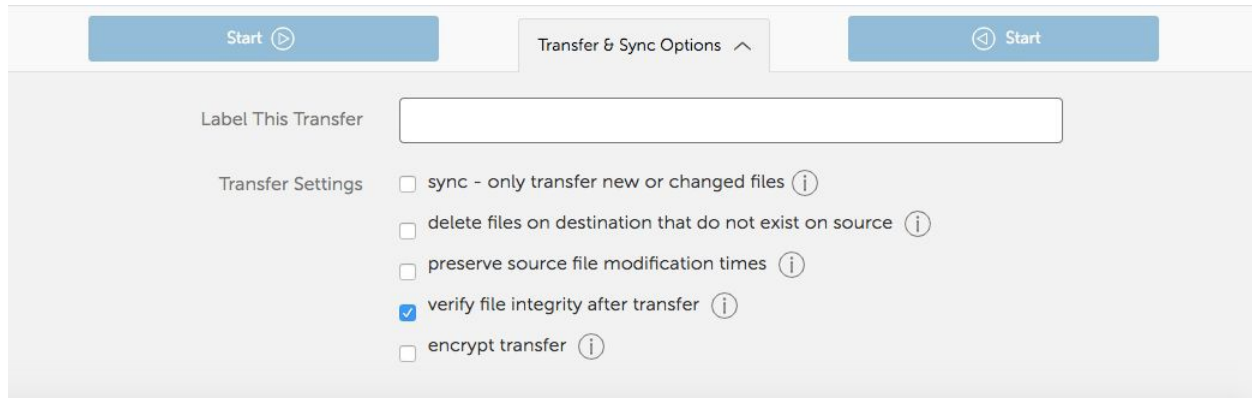


- Enter the name of your Globus Connect endpoint in the “Transfer or Sync to” field.

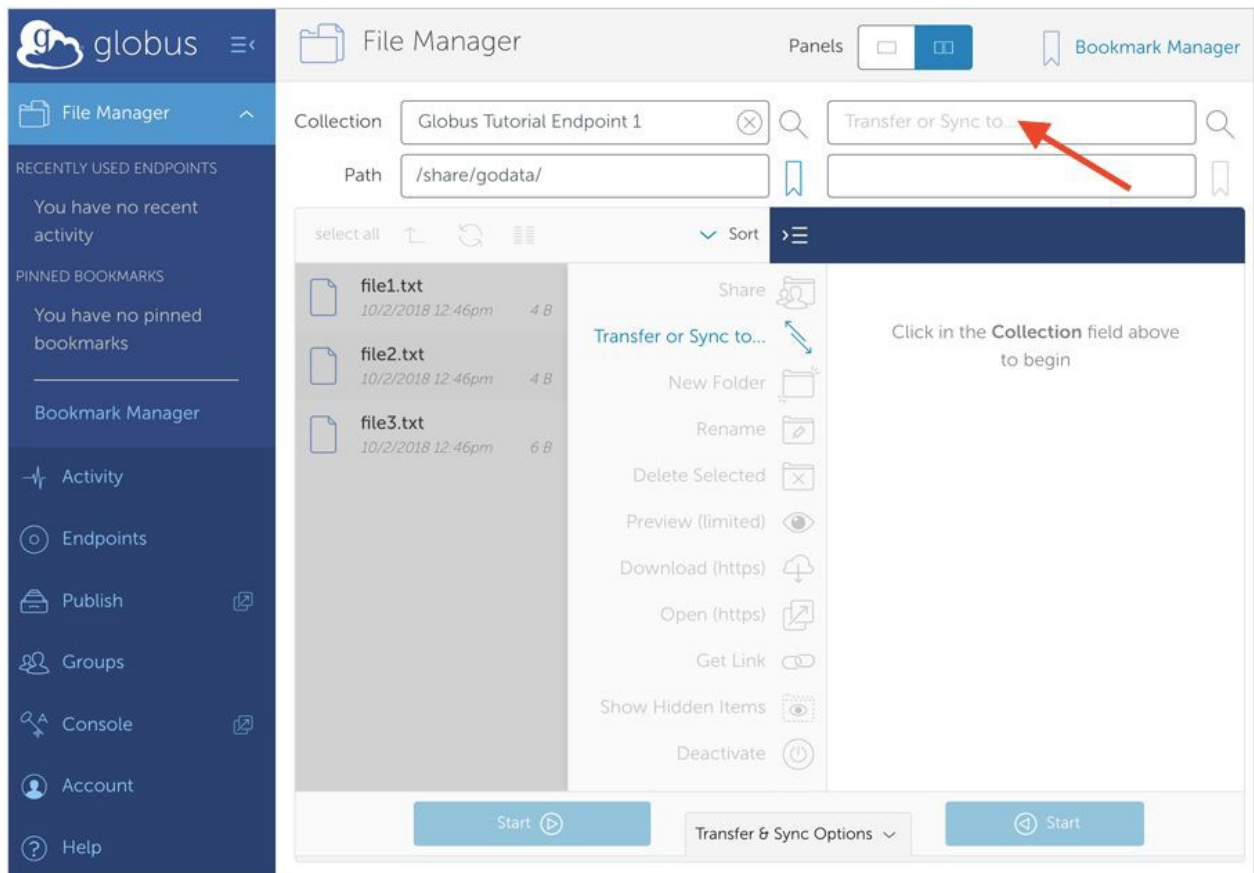


747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

- Between the two start buttons there is a menu for selecting transfer options.



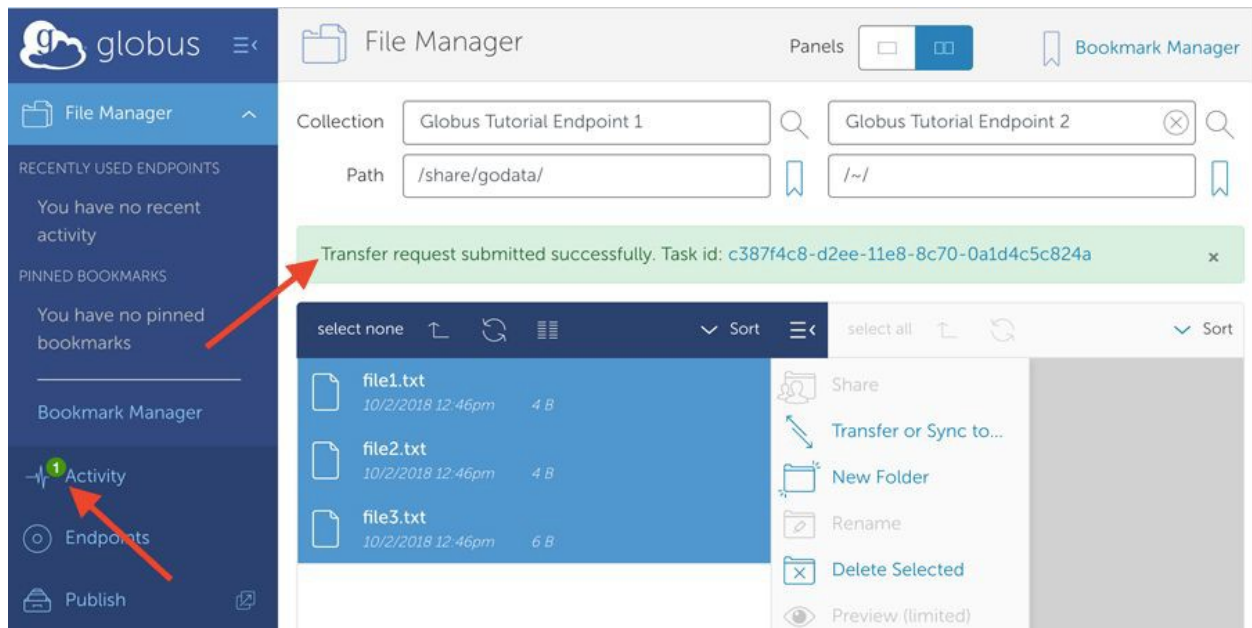
- Click the Start button pointing in the direction of the transfer (from our endpoint to yours)



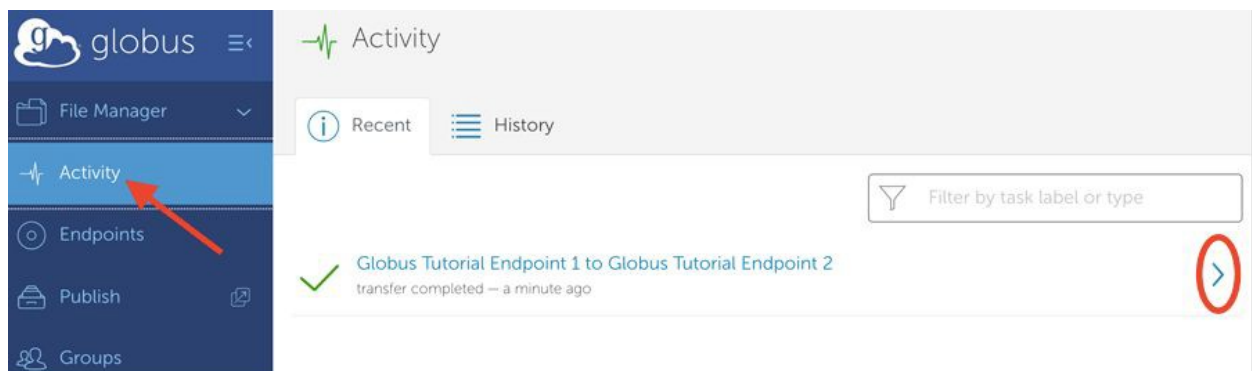
Note: You must keep your Globus Connect Personal Endpoint active during the transfer process! If the connection is lost the transfer will stop.

Checking the Status of Data Transfers

- After starting a transfer, use the “Activity” tab to check the status.

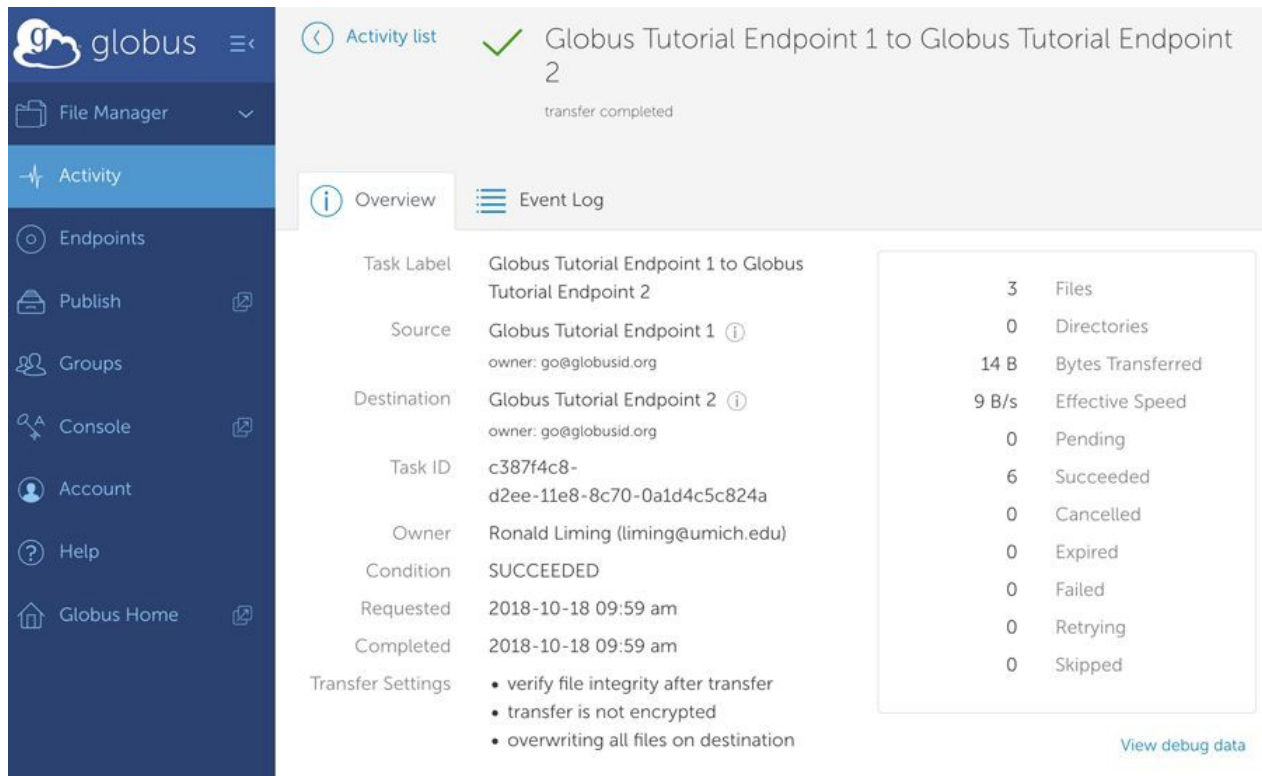


- Use the arrow on the right side of the page to view details about the status of the transfer.



747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

- On the left side of the “Overview”, is the Source, Destination, Condition, and Settings of the transfer. On the right is the total number of files/directories, and how many are pending, cancelled, expired, failed, and have succeeded.



The screenshot shows the Globus interface with a sidebar on the left containing navigation options like File Manager, Activity, Endpoints, Publish, Groups, Console, Account, Help, and Globus Home. The main area displays an activity list with a selected task: "Globus Tutorial Endpoint 1 to Globus Tutorial Endpoint 2" with a green checkmark and "transfer completed". Below this, the "Overview" tab is active, showing details for the task. The "Event Log" tab is also visible.

Task Label	Globus Tutorial Endpoint 1 to Globus Tutorial Endpoint 2
Source	Globus Tutorial Endpoint 1 ⓘ owner: go@globusid.org
Destination	Globus Tutorial Endpoint 2 ⓘ owner: go@globusid.org
Task ID	c387f4c8-d2ee-11e8-8c70-0a1d4c5c824a
Owner	Ronald Liming (liming@umich.edu)
Condition	SUCCEEDED
Requested	2018-10-18 09:59 am
Completed	2018-10-18 09:59 am
Transfer Settings	<ul style="list-style-type: none"> • verify file integrity after transfer • transfer is not encrypted • overwriting all files on destination

3	Files
0	Directories
14 B	Bytes Transferred
9 B/s	Effective Speed
0	Pending
6	Succeeded
0	Cancelled
0	Expired
0	Failed
0	Retrying
0	Skipped

[View debug data](#)

- If your transfer has failed, consult the “Event Log” to determine the cause. Contact support@globus.org for technical issues
- The most common problem for transfers failing or not completing in a timely manner is improper Globus Connect configuration, or disconnecting Globus Connect which is typically caused by the computer entering sleep mode.



747 SW 2nd Avenue,
Suite 314, IMB # 14,
Gainesville, FL 32601
352.273.2196

Additional Resources

Globus How to Login and Transfer:

<https://docs.globus.org/how-to/get-started/>
<https://docs.globus.org/faq/transfer-sharing/>

Globus FAQ:

<https://docs.globus.org/faq/>
<https://docs.globus.org/faq/globus-connect-endpoints/>

Globus Mailing Lists:

<https://www.globus.org/mailing-lists>

Support Requests:

<https://support.globus.org/hc/en-us>

Personal Endpoint Configuration for Mac and Windows:

<https://docs.globus.org/how-to/globus-connect-personal-mac/>
<https://docs.globus.org/how-to/globus-connect-personal-windows/>
<https://docs.globus.org/faq/globus-connect-endpoints/>

Using external Hard drive as End point:

https://docs.globus.org/faq/globus-connect-endpoints/#does_globus_recognize_a_usb_external_drive_on_my_laptop_as_part_of_an_endpoint

Firewall Configuration for Globus Connect Personal:

<https://docs.globus.org/how-to/configure-firewall-gcp/>

Tutorials:

<https://docs.globus.org/how-to/>