# GLOBUS SETUP FOR USERS





### GLOBUS HOW-TO SUMMARY

- This tutorial is for a mac install, but windows and linux platforms are supported
  - See <u>https://docs.Globus.Org/</u> for globus documentation and details regarding system specific installs
- Part I :
  - Install personal globus account
  - Create account
- Part II:
  - Setup collection on local machine
  - Transfer data





- Go to www.globus.org
- Click "Enable Globus on my system"

#### Step 1 :







#### Step 3 : Select Globus Connect Personal

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#### 🔊 globus 🔊 globus Get Started Globus Connect Personal turns your laptop or other personal computer into a Globus endpoint with just a few s for Google Drive, Amazon S3. Western Digital ActiveScale, Spectra BlackPearl and Start a free trial, create new e get pricing details, and more. clicks. With Globus Connect Personal you can share and transfer files to/from a local machine—campus server, desktop computer or laptop—even if it's behind a firewall and you don't have administrator privileges Vetwork and System &/ministrator What's New Globus Connect Globus Connect Server v5.4 released: Check out the new feature O Dramatically and other transfer tools. Personal State of the Craft in Research Data Automatically suspends transfers when Management: Read our latest in Science Node aptop or other personal computer and llows you to transfer and share files, sleeps and resumes when turned or en if you don't have administrative Globus at Argonne: Researcher Theta for real-time analysis of COVID-19 proteins nds using native ope leges on your machine. Globus install packages. nal is available for Mac Works with firewalls that bloci ons, and behind most NATs. Uses proven Globus infrastructure for si Get Globus Connect Personal just used Globus 28 GB from the tresties clus single click in a web browse minutes instead of 61 hours .... 0 . IN ⊡ 📽 🗉 目 … ♡☆ globus 🕒 docs APIs - How To Guides - Support - Q Home / How To How To Install, Configure, and Uninstall Globus Connect Personal for Mac OS X nal allows you to share and transfer files to and from your Apple laptop Globus Connect Personal allows ; the steps below to turn your pers-Installation @ 1. Download Gi ℗ Download Globus Connect Personal

Globus provides documentation for system specific installs and account creation. Here, we will follow MAC OS X install. Using Firefox Browser

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Step 4 : Select your platform

## PART I : GLOBUS ACCOUNT CREATION

Step 5 : If your institution has an account, you can select it from dropdown menu. Here, we will sign in with Google Account. Note: Your institute may block Globus when used on organizational network. (Discuss with your local contact)

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c. (Discuss with your local contact)	We	elcome – You've Successfully Logged In	
( )	This	is the first time you are accessing Globus with your Google login.	
	-	ou have previously used Globus with another login you can link it to your <b>Google</b> login. N ad, both logins will be able to access the same Globus account permissions and history.	
Log in to use Globus Web App	_	ontinue Link to an existing account Why should I link accounts?	
Use your existing organizational login e.g., university, national lab, facility, project			
Brookhaven National Laboratory	er gla	obus	
Continue		Complete Your Sign Up For lixnsls2@gmail.com	
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		Name LIX Beamline Email lixnsls2@gmail.com	
CILogon and Globus. You also agree for CILogon to issue a certificate that allows Globus to act on your behalf.		Organization Account will be used for on-profit research or educational purposes	
OR	Verify and update	<ul> <li>commercial purposes</li> </ul>	
Sign in with Google     Sign in with ORCID ID	information	□ I have read and agree to the Globus Terms of Service () and Privacy Policy ().	
Didn't find your organization? Then use Globus ID to sign in. (What's this?)		<ul> <li>Please e-mail me updates about Globus</li> </ul>	
		Continue     * 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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Step 6 : Successful Account creation

#### PART I : FINISH GLOBUS PERSONAL APP INSTALL

Step 7	<b>'</b> :	Grant	Globus	permissions	on	your	machine
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Step 8 : Download Globus APP



Step 9 : Once installed in location, click login and browser will open up. Accept permissions and move to create collection



## PART II : SETUP COLLECTION LOCALLY

Step 10 : Create a collection name. This will become a location where Globus data can live.



Successful Setup





#### PART II : SETUP COLLECTION LOCALLY

Step 11 : From Menu bar click transfer files and default browser will open. The File Manager will show your collection name for Globus data. You can select a local path and bookmark this for later. At this point, you need a link from your local contact to begin the data transfer.







#### PART II : TRANSFER DATA

Step 12 : Email from local contact will look something like this. Here, the collection name being shared with you is called "Demo\_test" . Click link and file manager should

open.

-	Globus N to me 👻	lotification <no-reply@globus.org></no-reply@globus.org>				1:51 PM (1 m	inute ago)	☆ ♦	. :				
	Globus us	er James Byrnes (j <u>byrnes@bnl.gov</u> ) sha	ared the folder "/" on the endpoint	"Demo_test" (endpo	int id: ab3a6c28	-4ebd-11eb-8ffb-0a34088e7	9f9) with 🗽	nsls2@gr	ail.com.				
		IRL to access the share: a.globus.org/file-manager?&origin_id=ab	3a6c28-4ebd-11eb-8ffb-0a34088	e79f9&origin_path=/	&add identitv=4	b74871d-0791-46ec-b256-1	7f31b1dd76	sd					
	The Globu												
	support@	<u>globus.org</u>											
	_												
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	-		us.org/nie-manager raud_user	nty=40/40/10-0/	31-4060-D200	-1/13 ID Idd/ Odddestinat	0100-108	Garos	С щ				
	- File	e Manager								Panels			
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		Agbe_111320_B.h5	11/13/2020 03:	5.98 MB		lew Folder ename				01/04/2021	-		
	o N	Agbe_111320_C.h5	11/13/2020 01:	2.04 MB	-	elete Selected				01/04/2021			
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					000	iet Link							
		AgBh_090220_3.h5	09/02/2020 1	2.76 MB		how Hidden Items				05/02/2020	-		

Successful transfer request. Email notification will be sent when transfer is complete or if errors occur.





Select Files or Folders to transfer and select local path on right side (under your collection name, in this case NSLS2\_data). Then click "start".

### EXAMPLE : CRYO EM DATA TRANSFER

Step 1: Received link from local contact and brings you to sign in. (Using google here)

Log in to	o use Globus Web App	
Use you	r existing organizational login	
	national lab, facility, project	
Brookhaven	National Laboratory +	
Continue		
ĊĨ	Globus uses ClLogon to enable you to Log In from this organization. By clicking Continue, you agree to the ClLogon privacy policy and you agree to share your usemame, email address, and affiliation with ClLogon and Globus. You also agree for ClLogon to issue a certificate that allows Globus to act on your behalf.	
	OR	
	G Sign in with Google	

Step 2: After sign in, you should see the files made available to you. Click on Search to find your local collection setup previously (see slides 7-8)

Collection			Q (8)	ПП	Q Search	
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D	Ice_Spot1_002[-3.00]_fractions.mrc	22/22/2020 04	141.42 MB		New Folder Rename	() Get started by taking a short tour.
0	Ice_Spot1_003[-6.00]_fractions.mrc	12/22/2020 04	141.42 MB		Delete Selected	
D	Ice_Spot1_004(+9.00)_fractions.mrc	12/22/2020 04	141.42 MB		Download Open	
D	Ice_Spot1_005(-12.00)_fractions	12/22/2020 04	141.42 MB		Upload	
D	ice_Spot1_006[-15.00]_fractions	12/22/2020 04	ML42 M8	( <b>@</b> )	Get Link Show Hidden Items	

Step 4: Select Files or Folders to transfer and select local path on right side (under your collection name, in this case NSLS2\_data). Then click "start". I created the NSLS2\_data collection on "Macintosh HD". You can create your collection and subdirectories within the collection wherever you choose.

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+			Download				
) )	Ice_Spot1_004[-9.00]_fractions.mrc	12/22/2020 04	Open		Documents	09/23/2020 –	>
í D	Ice_Spot1_005[-12.00]_fractions	12/22/2020 04	Upload		Downloads	01/04/2021 –	>
n	Ice_Spot1_006[-15.00]_fractions	12/22/2020 04	Get Link Show Hidden Items		Movies	05/02/2020 –	<u>,</u>
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