Globus Data Transfer Software Quick Start Guide

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08/28/2017

Register

1) Navigate to https://www.globusid.org/create

- 2) Register for a Globus ID account
 - The username is not important
 - Email does not have to be institutional, just valid
 - Make sure to check the "non-profit" option!

This account will be used for
 non-profit research or educational purposes

		Home
Create a Globus ID	Already have a Globus ID? Log In	
The client Globus Auth is requestine third-party website or application log Globus ID account to continue.	ng access to your globusid.org account for accessing a cated at auth.globus.org . If you approve, please create a	
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	Retter nasswords are longer use mixed-case letters with punctuation	
	and numbers. Your password must be strong to be accepted.	
Full Name	first and last name	
E-mail	user@example.edu	
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	

Verify

3) Check your email address for the verification email.

- If no email:

a) check spam filters

b) make sure email address is correct

4) Click "Verify Your Email-Address" on the GlobusID website

5) Copy/paste the verification code and click "Verify"



Globus	- Globus ID Verification		
S S Ta	upport@globus.org day, 345 PM aura Km ⊗	*	\$ Reply all ∨
Ti V	o verify your email address and complete your Globus ID activation, co erification code below to the Globus ID verification page.	opy th	e
V T	erification Code <mark>:</mark> 206e5843-bb72-440a-a7b7-36918138f34d hank you for using Globus ID,		
т	he Globus Team		
If	this wasn't you, please let us know: support@globus.org		
	Getting too much email from support@globus.org? You can unsubscribe		

	Laura Kim (Ikim@globusid.org) Verify Your E-mail Address Log Out
globus 🚹 ID	 change your password update your profile manage SSH and X.509 keys
globus 🚹 ID	Laura Kim (ikim@globusid.org) Verify Your E-mail Address Home Log Out
Verify E-mail Address	
An email was sent to Ikim@nysbc	.org.
Please check your e-mail and click code that appears in that e-mail int	on the verification link in that e-mail or enter the verification o the text box below.
Verification Code I-b This	b72-440a-a7b7-36918138f34d Verity is a text string like the following: 671-95ab-odef-1234-567895aboolef
Can't find the verification e-mail? C support@globus.org. You may also	heck your spam folder or search for an e-mail from o re-send the verification e-mail.

Log In

- 6) Nagivate to globus.org, click "Log in"
- 7) Click "use Globus ID to sign in"
- 8) Enter your GlobusID username and password

globus 🚹 ID			Not Logged-In Home
Log In with Globu	is ID	Need a Globus ID? Sign Up	
The client Globus Auti third-party website or a continue.	is requesting access to your oplication located at auth.glo	globusid.org account for accessing a bus.org. If you approve, please log in to	
Username	1	@globusid.org	
Password			
	Log In	Forgot password?	



🔊 globus		Globus Account Log In
	Log in to use Globus Web App	
	Use your existing organizational login e.g., university, national lab, facility, project	
	Look-up your organization 👻	
	Didn't find your organization? Then use Globus ID to sign in. (What's this?) Continue	
	Or	
	G Sign in with Google Sign in with ORCiD ID	

Create Personal Endpoint

9) Click "Endpoints"



10) Click "add Globus Connect Personal endpoint



Create Personal Endpoint

11) Select a name for your personal endpoint - e.g. "Laura's macbook"

12) Click "Generate Setup Key"

13) Copy the setup key.

14) Follow the instructions in "Step 2" to download and install the Globus Connect Personal client.

- The client can be installed on any laptop or workstation with an internet connection.

15) Launch the Globus Connect Personal from your desktop. When prompted, paste the setup key into the text field and Click "Ok".

Manage Endpoints		
Endpoint List	🚔 add Globus Connect Personal endp	point 🔹 add Globus Connect Server endpoint
Add Globus Connect Persona	I Endpoint	×
Step 1 Create & Copy Y	our Globus Connect Personal Setup	Key
Please enter a human-frien	dly name for your Globus Connect Personal endpoint to	help you identify it.
Display Name * La	ura's macbook	0
Step 2 Download & Ins	tall Globus Connect Personal	
Click one of the buttons below	v to download and install Globus Connect Personal for y	our operating system.
5 for Mac OS	K 💍 for Linux	or Windows
Once downloaded, run the i	nstaller. When prompted, paste in the Setup Key to com	plete the installation.
Manage Endpoints		

Manage Life		
Endpoint List	🚽 add Globus Connect Personal endpoint 🛛 🚽 add Globus Connect Server en	dpoint
Add Globu	us Connect Personal Endpoint	×
Step 1	Create & Copy Your Globus Connect Personal Setup Key	
	Laura's macbook created	
	Setup Key e98d0892-6b86-4582-a419-87775b41b6a5 copy	
Step 2	2 Download & Install Globus Connect Personal	
Cli	Ilck one of the buttons below to download and install Globus Connect Personal for your operating system.	





Select Destination Path

16) Return to the <u>http://globus.org</u> or click "Transfer Files" on the previous page.

17) Click the empty "Endpoint" box

On the right-hand side.

18) Select "Administered by Me" and click the

recently-created endpoint. You should see your system's file structure.

19) Select a destination path in one of your system's directories.

select none	🖕 up one folder	🖒 refresh list	share	=
Applications				
E DESTINATION	I FOLDER			
E Desktop				
E Documents				
- Downloads				

Transfe Endpoint	r Files	RECI	
Endpoint	Start here		
		Endpoint	
Endpoint Start typing the name of an e	ndpoint or select one below		
Recently Used	★ Bookmarks	Administered by Me	
Laura's macbook			



Select Destination Path

OPTIONAL:

If you would like to transfer to a USB harddrive connected to your laptop or a workstation, do the following:

i) Navigate to the "Preferences" section of your Globus Personal Connect ćlient

ii) Click "Access". Select the "+" plus sign at the bottom left corner.

iii) Plug your USB harddrive into the laptop or workstation and make sure it is recognized by the operating system. Select the drive and click "Open" or the corresponding button in your operating system.

iv) Make sure the USB harddrive appears in the "Accessible Directories and Files" list with "Writeable" selected.

v) In the "Transfer Files" page, you should now see an additional directory that points to the USB harddrive mounted on the laptop or workstation.

vi) Select a destination folder on the mounted USB harddrive.

NOTE: If you are setting up your data transfer at <u>http://globus.org</u> on the same machine that the USB harddrive is connected to, you cannot shut down the computer or the transfer will break. If you are using a different machine, you can close down the computer. (I.E. don't shut down the computer that the data is transferring to)



3.2 MB 3.3 MB

i)

😭 cnegro

1 Documents

Applications OneDrive - N

O Downloads G Untitled DVD 🔅 Large Files

Remote Disc

Globus Conne... 🛎

GPFS SEMC_ytb.pr SEMC_yt.prg

	mity
0 7 0	
Jeneral Access Info	
Accessible Directories and Files	Enable sharing Learn more-
Directory or File	Shareable Writable
/Users/Ikim	
/Volumes/STORE N GO	
the Demy appears to bidden (a.g. soo	urity) files in your home directory
+ - Pony second to bidden (e.g. sec	urity) files in your home director

Enable sharing

Reset to Defaults



vi)	
RECENT ACTIVITY 0 0 0	04
Endpoint Laura's macbook	
Path /Volumes/STORE N GO/	Go
select all t_ up one folder 🖒 refresh list share	=
GPFS	Folder
HPSCANS	Fo/der
eggi 📫	Folder
masks	Folder
PROWinx64.exe 81	.33 MB
SEMC_yt.png 3	1.16 MB
SEMC_ytb.png 3	1.07 MB

Select Source Endpoint

20) Select the empty "Endpoint" box on the leftside.

- 21) Type "nysbc" into the box next to "Endpoint".
- 22) The option "NYSBC SEMC" should be available.

Verify that owner in the results is nysbc@globusid.org and select it.

23) Enter your **NYSBC** Linux username and password when prompted.

Endpoint	Start here	\$		Endpoint Laura's macbook	
Path		Go		Path /Users/cnegro/	Go
	Start by selecting an	endpoint.	select non Applicati DESTINA Desktop Docume Downloa Hardwan Movies Music OneDrive Pictures Public	eup one bider refresh list at one NEV FOLDER da e = - New York Structural Biology Center	are =

Endpoint	nysbc	
	NYSBC - SEMC owner: nysbc@globusid.org no description provided	

ansfer Files	Get Gi Turn your o	lobus Conni computer into	ect Personal an endpoint. RECENT ACT	MTY () 0 \(\nabla 0 \)
Endpoint NYSBC - SEMC 2			Endpoint Path	Gc
Please authenticate to access this e Logn Server (ing hydr.org)	ndpoint		Start by selecting an	endpoint.
Label This Transfer This will be displayed in your transfer activ	tty.	0		
delete files on destination that do	not ever on adding a			

Т	ransfe	er Files			Get Turn you
	Endpoint Path	NYSBC - SEMC		☆ Go	
	select a	up one folder 🕻	, refresh list	share	≡ Folder

Select Source Path

24) On the left you should now see a file system with the /~/gpfs as the topmost directory.

25) Navigate to the directory in /gpfs/frames, /gpfs/appion, or /gpfs/leginon you would like to transfer.

e.g. ~/gpfs/frames/lkim/17aug15f

26) Your screen should look similar to this:

	Transfer Files Activity Endpoints Bookmarks Console
Transfer Files	
Endpoint NYSBC - SEMC 2/2010 Path /~/gpfs/frames/lkim/ Go	Endpoint Laura's macbook
select none 🗶 up one folder 🖒 refresh list share	≡ select none t_ up one folder C refresh list share ≡
🛑 17aug15f 🛛 🖌	Folder Applications
🛑 17aug28e 🛛 🖌	Folder DESTINATION FOLDER
🛑 17jul07b 🛛	Folder Desktop
	Documents
	Downloads
	Hardware
	Movies
	Music

Begin Transfer

27) Select a useful label for the data transfer session

28) Click "sync – only transfer new or changed files" with the "checksum is different" option. This will ensure that if you collect more data and re-run the transfer, Globus will only try and transfer new data.

Optionally, select "preserve source file modification times" 29) Click the blue arrow pointing to the right to begin the transfer

Endpoint NTSBC -	SEMC		Endpoint	_aura's macbook	5
Path /~/gpfs/fr	ames/lkim/ Go		Path	~/	G
select none t_	up one folder 🖒 refresh list si	hare = se	electinone 🗶 upione	folder 🖒 refresh list	share =
17aug15f		Folder 🗧 A	Applications		
17aug28e		Folder E	DESTINATION FOLDER		
17/0076		Folder	Jesktop Documents		
			Downloads		
		- F	Hardware		
		<u> </u>	Novies		
		= 2	Music DeeDrive - New York Strate	ural Biology Center	
			Pictures	ura biology center	
		- F	Public		
			/agrant		
			/irtualBox VMs		
		a	snaconda3		
			ain		
			perts		
		💼 a	sti		
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Label This Transfe	transfer 17aug15f to macbook				
Label This Transfe	r transfer 17aug15f to macbook	ity.			-
Label This Transfe Transfer Setting:	r transfer 17aug15f to macbook This will be displayed in your transfer activ sync - only transfer new or change	tty.	sum is different	• 0	-
Label This Transfe Transfer Setting	Transfer 17aug15f to macbook This will be displayed in your transfer activ Source - only transfer new or change delete files on destination that do a	ity. Ind files where the checks not exist on source @	sum is different	• @	-
Label This Transfe Transfer Setting	transfer 17aug15f to macbook This will be displayed in your transfer activ will be displayed in your transfer activ wyone - only transfer new or change delete files on destination that do wyo preserve source file modification ti	ity. Ind files where the <u>checks</u> not exist on source @ mes @	sum is different	÷ Ø	-
Label This Transfe Transfer Setting	transfer 17aug15f to macbook This will be displayed in your transfer activ were any transfer new or change delete files on destination that do i wreave source file modification til wreify the integrity after transfer @ were the integrity after transfer @	Ity. It files where the <u>checks</u> not exist on source @ mes @	sum is different	÷ @	



		Transfer Files Activity Endpoints Bookmarks Co	nsole
ransfer Files		RECENT ACTIVITY O 2 🗸 0	0
ransfer request submitted successfully. Task id: d3fc7eca-8c3	4-11e7-a9c	9-22000a92523b	×
Endpoint NYSBC - SEMC		Endpoint Laura's macbook	
Path /~/gpfs/frames/lkim/ Go		Path /~/	Go
select none 🛬 up one folder 🖒 refresh list share	=	select none t_ up one folder C refresh list share	=
17aug15f	Folder	Applications	
17aug28e	Folder	DESTINATION FOLDER	- 11
17/0078	Poloar	Desktop	
		Downloads	
		Hardware	
		Movies	

Let Data Transfer

30) Verify that data is being transferred to your destination folder

31) You can check the status of your transfer by clicking "Activity" on the main Globus transfer page

NOTE: Syncing will only transfer data present at the time the transfer begins, it will not transfer files collected later in a data collection. If you collect more data, you must rerun the transfer. Please only use one active transfer session at a time.

Back to Transfer Files Recent Activity History	filter by task label or type
• NYSBC - SEMC to Laura's macbook transfer started 10 minutes ago	* :
transfer 17aug15f to macbook transfer canceled a few seconds ago	8





Transfer Complete

You should receive an email when your data is finished transferring:

