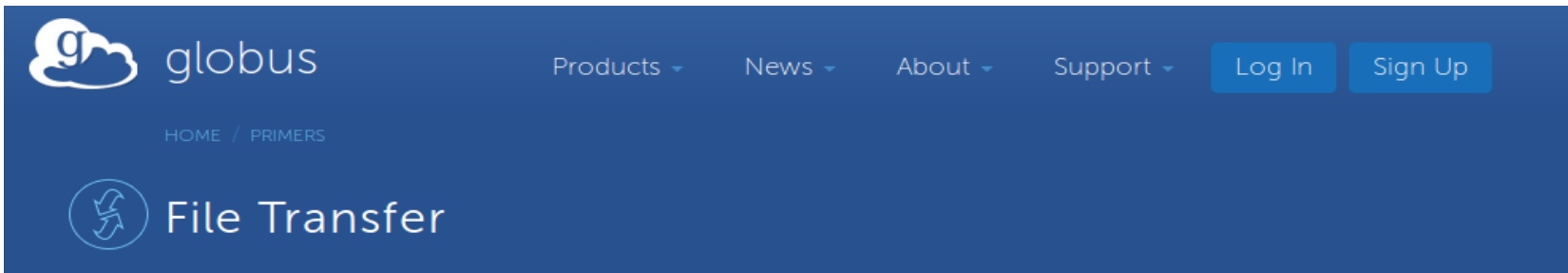


Globus file transfer service

Globus offers a very simple, robust, convenient 3rd party file transfer service between gridftp endpoints:

<https://www.globus.org/file-transfer>

Globus file transfer service



The Globus transfer service provides high-performance, secure, file transfer and synchronization between endpoints. It also allows you to [securely share your data with other Globus users](#).

Science applications often require sophisticated data management capabilities. However, doing so efficiently and reliably is often a difficult undertaking, requiring significant expertise to optimize use of available network capacity, recover from transfer failures due to network unreliability, ensure the integrity of transferred files, and maintain the required levels of security when moving data between resources with different security configurations. Globus addresses these challenges by providing an easy to use "fire and forget" data transfer mechanism that can be easily accessed using a web browser or, for more technical users, via a command line interface. Programmatic interfaces are also provided so that developers may integrate file transfer functionality into their own applications and user portals.

Globus handles all the difficult aspects of data transfer, allowing application users to easily start and manage transfers between endpoints, while automatically tuning parameters to maximize bandwidth usage, managing security configurations, providing automatic fault recovery, and notifying users of completion and problems. Globus also provides in-place sharing of data, allowing researchers to share large datasets directly from their existing storage repositories on which the data resides.

An "endpoint" is one of the two file transfer locations – either the source or the destination – between which files can move. Once a resource (such as a server, cluster, storage system, laptop, or other system) is defined as an endpoint, it will be available to authorized users who can transfer files to or from this endpoint.

[Sign up for a free Globus account now.](#)

If you already have a Globus account, [start transferring data here](#).

For step-by-step instructions on transferring data using Globus, [click here](#).

Globus file transfer service



Manage Data

Groups

Support ▾

gdebrecz ▾

Transfer Files

Activity

Manage Endpoints

Dashboard

Manage Endpoints

+ add Globus Connect Personal

+ add an endpoint

recently used	in use	shared with me	shared by me	administered by me	all	filter list by endpoint name
endpoint					status	credential
a283212#test Host Endpoint - lrz#cluster_sharing:/					ready	never expires ▾
a283212#test1 Host Endpoint - lrz#cluster_sharing:/					ready	never expires ▾
a2832vm#KEG Host Endpoint - lrz#cluster_sharing:/					ready	never expires ▾
gdebrecz#ATLAS					ready	expires in 12 hours ▾
gdebrecz#WIGNER1					ready	expires in 12 hours ▾

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Globus file transfer service

The screenshot displays the Globus file transfer service interface. At the top, there is a navigation bar with the Globus logo, a 'Manage Data' button, and links for 'Groups', 'Support', and the user 'gdebrecz'. Below this, a secondary navigation bar includes 'Transfer Files', 'Activity', 'Manage Endpoints', and 'Dashboard'. The main heading is 'Transfer Files', with a sub-link 'Get Globus Connect Personal' and the instruction 'Turn your computer into an endpoint.'.

The interface is split into two main panels. The left panel shows a file browser for endpoint 'gdebrecz#ATLAS' at path '/'. It lists various system folders such as 'atlas', 'bin', 'boot', 'dev', 'etc', 'home', 'lib', 'lib32', 'lib64', 'local', 'lost+found', 'media', 'mnt', 'mnt5', 'opt', 'proc', 'root', 'sbin', 'selinux', and 'srv'. The right panel shows a credentials dialog for endpoint 'gdebrecz#WIGNER1'. The dialog is titled 'Credentials Required' and asks for 'MyProxy Server', 'Username', 'Passphrase', and 'Server DN', each with a 'required' label and an input field. There is also a 'Credential Lifetime (hours)' field. 'Authenticate' and 'Cancel' buttons are at the bottom.

At the bottom of the interface, there is a 'Label This Transfer' section with a text input field and the note 'This will be displayed in your transfer activity.'

Globus file transfer service

The screenshot shows the Globus file transfer service interface. At the top, there is a navigation bar with the Globus logo and the text 'globus'. To the right of the logo are links for 'Manage Data', 'Groups', 'Support', and 'gdebrecz'. Below this is a secondary navigation bar with links for 'Transfer Files', 'Activity', 'Manage Endpoints', and 'Dashboard'. The main content area is titled 'Activity' and includes a 'Sort By' dropdown set to 'start date & time' and a 'filter this list' link. A green checkmark indicates a successful transfer from 'gdebrecz#ATLAS to gdebrecz#WIGNER1'. Below this, there are two tabs: 'overview' (selected) and 'event log'. The 'overview' tab displays the following information:

- Task ID: 5890200c-b2d0-11e3-b3f3-22000a971261
- Source: gdebrecz#ATLAS
- Destination: gdebrecz#WIGNER1
- Status: SUCCEEDED
- User: gdebrecz
- Requested: 2014-03-23 10:16 pm
- Deadline: 2014-03-24 10:16 pm
- Completed: 2014-03-23 10:16 pm
- Transfer Settings:
 - overwriting all files on destination
 - verify file integrity after transfer
 - transfer is not encrypted

To the right of this information is a summary table:

Files	278
Directories	137
Bytes Transferred	19,402,031
Pending	0
Succeeded	416
Cancelled	0
Expired	0
Failed	0
Retrying	0
Skipped	0

Below the table is a link for 'view debug data'. At the bottom of the activity list, another green checkmark indicates a successful transfer from 'gdebrecz#ATLAS to gdebrecz#WIGNER1'.

Globus file transfer service

```
=== Task Details ===
Task ID           : 1e7b48b4-b155-11e3-b3ef-22000a971261
Task Type        : TRANSFER
Status           : SUCCEEDED
Request Time     : 2014-03-22 00:01:29Z
Deadline        : 2014-03-25 00:10:49Z
Completion Time  : 2014-03-22 00:16:04Z
Total Tasks     : 9206
Tasks Successful : 9206
Tasks Expired   : 0
Tasks Canceled  : 0
Tasks Failed    : 0
Tasks Pending   : 0
Tasks Retrying  : 0
Command         : API 0.10 go
Label           : n/a
Source Endpoint  : gdebrecz#ATLAS
Destination Endpoint : gdebrecz#WIGNER1
Sync Level      : n/a
Data Encryption : No
Checksum Verification : Yes
Delete          : No
Files           : 7420
Files Skipped   : 0
Directories    : 1784
Expansions     : 2
Bytes Transferred : 4584291553
Bytes Checksummed (Sync) : 0
Mbits/sec      : 41.914
Faults         : 0
```