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Compute Resources

Have questions or need help with compute, including activation or issues? Follow [this link.](#)

[User Agreement](#)

Docker Usage

The information on this page assumes that you have a knowledge base of using Docker to create images and push them to a repository for use. If you need to review that information, please see the links below.

[https://washu.atlassian.net/wiki/spaces/RUD/pages/1705115761/Docker+and+the+RIS+Compute1+Platform?atlOrigin=eyJpIjoiNzc4YTZjNjIxYmQwNGI3OTk4M2Q0MV](#)

[https://washu.atlassian.net/wiki/spaces/RUD/pages/1864892726/Docker+Basics+Building+Tagging+Pushing+A+Custom+Docker+Image?atlOrigin=eyJpIjoiMTVjMjNlMW](#)

Software Included

tk

tcllib

wget

python3

Globus Connect Personal (https://downloads.globus.org/globus-connect-personal/linux/stable/globusconnectpersonal-latest.tgz)

Development Notes

This image is designed for transfer of data to local or scratch storage only.

Dockerfile

The Globus Connect Personal Docker image is hosted at the following location.

Requirements for Usage in RIS

Setting up on Compute1

Submit a job to run container with the following command.

Add any paths you want to access from the Globus client (local or scratch) and your HOME directory is required.

`/path/to/directory` in the command is the path of the local or scratch directory that you wish to enable as an endpoint in Globus.

If you are a member of more than one compute group, you will be prompted to specify an LSF User Group with `-G group_name` or by setting the `LSB_SUB_USER_GROUP` variable.

While inside the container, setup can be started with the following command.

This will start a guide that goes through the steps necessary for setting up Globus Connect Personal and will look like the following.

The `compute1-exec-N` that is used comes from the node the job lands on.

This is important to remember for the next step and any future use of Globus through this method.

Running on Compute1

After the initial setup, the following command can be used to start up the client at any time.

`/path/to/directory` is the same directory and path that was enabled in the setup part of the process.

`compute1-exec-N` needs to be replaced with the same node name that the setup step ran on.

N represents a number that is the number of one of the nodes.

If you are a member of more than one compute group, you will be prompted to specify an LSF User Group with `-G group_name` or by setting the `LSB_SUB_USER_GROUP` variable.

The endpoint that is the local or scratch directory can be now accessed via the web app and used for data transfer.

https://app.globus.org/