11falsenonelisttrue

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=eyJpIjoiNzc4YTZjNjIxYmQwNGI3OTk4M2Q0MW

https://washu.atlassian.net/wiki/spaces/RUD/pages/1864892726/Docker+Basics+Building+Tagging+Pushing+A+Custom+Docker+Image?atlOrigin=eyJpIjoiMTVjMjNlM

storageN

The use of `storageN` within these documents indicates that any storage platform can be used.

Current available storage platforms:

storage1

storage2

Interactive GUI Session

Interactive GUI sessions are done via Open On Demand (OOD).

You can use the `Compute RIS Desktop` application.

You can find out more about OOD here:
https://washu.atlassian.net/wiki/spaces/RUD/pages/1683489040/Compute1+Quickstart?atlOrigin=eyJpIjoiOTFlZDBhYTFmY2NhNDM3OThmYzU3NWRjNmI5MDcwY2E

Fill out the fields with the appropriate information (explained in the quick start).

Launch the `Compute RIS Desktop` application, and follow the steps below.

Include the following in the `Mounts` field.

Once in an interactive session the following is an example command of using Nextflow.

Command-Line Sessions

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.

Interactive Session

If users wish to use Nextflow in an interactive command-line session, it can be done via the THPC terminal.

Users can find out about using the THPC terminal here.

Users can use Nextflow just like with OOD.

Users must include `/scratch1/fs1/ris:/scratch1/fs1/ris` in the `LSF_DOCKER_VOLUMES` environment variable.

Make sure the directory to be used as the Nextflow working directory is included in the `LSF_DOCKER_VOLUMES` environment variable.

`/path/to/nextflow/working/directory` is the path to the Nextflow working directory.

Batch Session

If users wish to use Nextflow in an batch session, it can be done via the THPC batch.

Users can find out about using the THPC terminal here.

Users must include `/scratch1/fs1/ris:/scratch1/fs1/ris` in the `LSF_DOCKER_VOLUMES` environment variable.

Make sure the directory to be used as the Nextflow working directory is included in the `LSF_DOCKER_VOLUMES` environment variable.

`/path/to/nextflow/working/directory` is the path to the Nextflow working directory.

Example Config File

The example config file below shows how the config file needs to be set up to interact with the Compute Platform