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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=eyJpljoiNzc4YTZjNjlxYmQwNGI3OTk4M2Q0MN

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

Software Included

cisTem (https://cistem.org/software)

Development Notes

The official cisTEM documentation can be found here.

Dockerfile

The cisTEM image is hosted at the following location.

Requirements for Usage in RIS

Interactions GUI sessions are done via the ${\tt Custom}$ ${\tt noVNC}$ ${\tt Image}$ application in Open On Demand (OOD).

You can find out more about OOD here: Compute Quick Start.

There are two fields beyond the basics that will need information specific to this image.

Environment Variables

Docker Image

Environment Variables

This information should be space separated in the field.

Optional variables

GUI display size. This can be changed with the following variables.

Width default: 1024

Height default: 768

DISPLAY_HEIGHT=]]>

Docker Image

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

Launch the job through the methods described in the quick start.

Once in an interactive cisTEM session using the following command: