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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=eyJpIjoiNzc4YTZjNjIxYmQwNGI3OTk4M2Q0MW

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

Image Details

Docker image hosted at http://ghcr.io/washu-it-ris/novnc

Fluxbox (http://www.fluxbox.org/)

noNVC (https://kanaka.github.io/noVNC/)

supervisord (http://supervisord.org)

turboVNC (https://turbovnc.org/)

websockify (https://github.com/novnc/websockify)

x11vnc (http://www.karlrunge.com/x11vnc/)

xterm (http://invisible-island.net/xterm/)

Xvfb (http://www.x.org/releases/X11R7.6/doc/man/man1/Xvfb.1.xhtml)

Interactive GUI

The [RIS Open OnDemand](#) interface is the recommended way to run an application needing an interactive GUI.

The [Open OnDemand: Interactive Apps](#) page allows users to start various applications from basic templated forms. For all other applications the Custom noVNC Image form is recommended.

Extending the noVNC Image

The RIS noVNC image can be extended for use on compute1 and the RIS Open OnDemand interface.

Run on Compute

Interactions GUI sessions are done via the `Custom noVNC Image` application in Open On Demand (OOD).

You can find out more about OOD here:
https://washu.atlassian.net/wiki/spaces/RUD/pages/1683489040/Compute1+Quickstart?atlOrigin=eyJpIjoiNzMwODZjMGJmZTc1NDg1MDk1NjM0NjEzNDE0MjYzODMi
.

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.

Available Versions

Current Version:

ghcr.io/washu-it-ris/novnc

ubuntu22.04

ubuntu22.04_cuda12.4_runtime

ubuntu22.04_cuda12.4_devel