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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=eyJpIjoiMTVjMjNIMV

Image Details

Docker image hosted at `gcr.io/ris-registry-shared/afni-tortoise`.

Versions Available:

latest, v3.2.0

v3.1.4

Software Included

AFNI

TORTOISE, comprised of the following tools:

DIFFPREP

DRBUDDI

DIFFCALC - CLI version

DRTAMAS

R Packages

GUI is not currently included in this image

Requirements for Usage in RIS

Initial Setup

An initial setup of dependent files and directory structure in your compute home directory is required.

Setup will create/modify the following in the compute home directory: `.afni/, .afnirc, .bashrc, .sumarc`.

In rare cases, $HOME is not /home/washukey. See the [RIS Compute Quick Start](#) for details. If this is the case, enter echo $HOME and insert the result at the appropriate places below.

Connect to compute and run the following, adjusting for individual compute username, home location, etc.

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.

Paste the following in its entirety and run to append the .bashrc file.

```
> $HOME/.bashrc ahdir=`apsearch -afni_help_dir` if [ -f "$ahdir/all_progs.COMP.bash" ] then . $ahdir/all_progs.COMP.bash fi export
R_LIBS=/usr/local/lib/R/library/' EOF]]>
```

Update shell.

Run on LSF

Connect to compute and run the following, adjusting for individual parameters and replacing <tag> with the appropriate version.

)' /bin/bash]]>