

Compute Resources

[User Agreement](#)

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=eyJpljoiMTVjMjNIM>

Functional MRI: FEAT, MELODIC, FABBER, BASIL, VERBENA

Structural MRI: BET, FAST, FIRST, FLIRT & FNIRT, FSLVBM, SIENA & SIENAX, MIST, BIANCA, MSM, fsl_anat

Diffusion MRI: FDT, TBSS, XTRACT, eddy, topup, eddyqc

GLM /Stats: GLM general advice, Randomise, PALM, Cluster, FDR, Dual Regression, Mm, FLOBS

Other: FSLeves, FSLView, Fslutils, Atlases, Atlasquery, SUSAN, FUGUE, MCFLIRT, Miscvis, POSSUM, BayCEST

Versions

Docker image hosted at

Minimum Docker image hosted at

Code repository is located at [BitBucket](#) and requires WashU VPN connection and a washukey to access.

Preserve Environment variables

Paths inside the container are not being preserved unless one sets this variable for the whole session.

```
export LSF_DOCKER_PRESERVE_ENVIRONMENT=false
```

Prepend `LSF_DOCKER_PRESERVE_ENVIRONMENT=false` before an individual `bsub` command (in which case the variable is only false for that command).

If one fails to set `preserve_environment` variable to `false`, one would have to provide each application's full path.

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

- `)' /bin/bash]]>`

Alternatively, if you want the preserve environment to only be false for one command.

- `)' /bin/bash]]>`

Non-Interactive

- `)' {command & arguments to run}]]>`