

Jobscript Reproducibility

It is critical that jobscripts are self contained, and do not utilise environment variables inherited from external sources such as `~/.profile`, or the environment from which the job was launched. The reasons for this are that:

- Pawsey staff are able to reproduce your job if you require assistance,
- you can share jobscripts with colleagues and they will get the same results, and
- you can move your workflow to another system and expect it to work the same.

The below code in a jobscript will ensure that a SLURM job starts with a clean environment, and no environment variables are inherited from your interactive shell.

```
#SBATCH --export=NONE
```

Do not put "module use" or "module load" in [Shell Initialisation Scripts](#) (`~/.login`, `~/.profile`, `~/.cshrc`, `~/.bashrc` etc). Altering a job's environment in this manner is difficult and slow to debug, and you cannot grant access to colleagues without reducing the security of your login account.

Related articles

- [Deleting large numbers of files on scratch and group](#)
- [Exploring files in Lustre](#)
- [Use of tmp by Running Jobs](#)
- [Python 2 End of Life](#)
- [Installing Python modules on supercomputers](#)