

# Technical Instruction for Approved Projects

## I. Preamble

This section assumes that you are already familiar with the ASPIRE 1 system and PBS job submission. New users who need more information on using the ASPIRE 1 system and PBS job submission, you may wish to refer to the NSCC user guides on:

<https://help.nscg.sg/> -> User Guides

## II. Instructions for transferring your existing data on your home directory to your project directory

- 1) Go to your home directory

```
$cd
```

- 2) Copy files in your directory to the project directory

```
$rsync -Aav --checksum <source_dir_path> <project_dir_path>
```

**Notes:**

- a. if the process is interrupted before completion, rerun the command above to resume the copy.
  - b. The <project\_dir\_path> can be found in the main email body.
- 3) Once the file copy is completed and everything is in order in the project folder, proceed to delete the files in your home directory that have been transferred.

```
$rm -rf <source_dir_path>
```

**\*WARNING:** Make sure you are deleting the correct directory! Deleted files will not be recoverable!

- 4) [Optional] For the files that are to be shared among the group members, change the UNIX group of files in project directory to <project\_groupname>

```
$chgrp -R <project_groupname> <file_or_folder_to_change_group>
```

*\*The <project\_groupname> can be found in the main email body.*

**\*IMPORTANT:** Please complete the steps above within 30 days from **12 June 2017**. After which, a strict quota limit of 50GB will be enforced on your home directory. You will not be able to write any file should you exceed the quota in your home directory.

### III. Instruction for PBS Job Submission with Project ID:

1. You should have received your <project\_id> in the main email body. The Project ID will be in the form of a unique 8-digit number.
2. To submit a PBS job to use the project's resource quota, include the following line in the PBS script:

```
#PBS -P <project id>
```

```
#!/bin/bash
#PBS -q normal
#PBS -P 19999999
#PBS -l select=1:ncpus=24:mpiprocs=24
#PBS -l walltime=1:00:00
cd ${PBS_O_WORKDIR}
sleep 30
#-- End of script
```

3. An example of PBS job submission script with project\_id specified:

**\*IMPORTANT:** If you do not specify the “-P” flag, the resources will be consumed from your personal allocation.