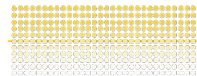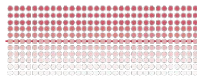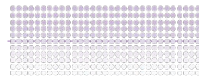# Moving Data to and From NeSI

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October 9th 2019
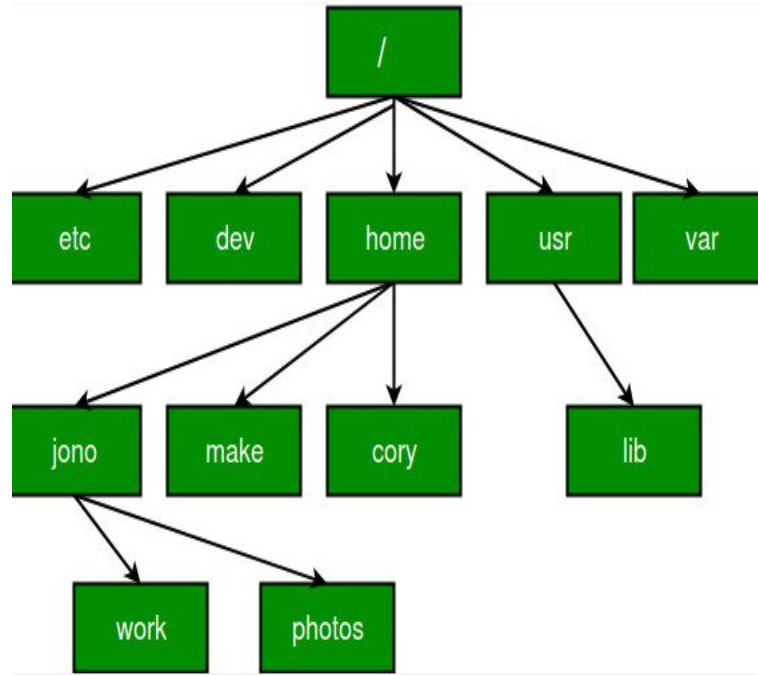
New Zealand eScience Infrastructure

Overview

- Getting started
- Files and Directories
- File Paths
- Moving Data
- Things to note
- Demo
- Q&A session

Getting Started

- Get an account on NeSI
  - https://support.nesi.org.nz/hc/en-gb/articles/360000159715-Creating-a-NeSI-Account
  - https://my.nesi.org.nz/

- Request a project/allocation
  - https://www.nesi.org.nz/applyforaccess

- Set-up Password and 2 factor authentication
  - https://support.nesi.org.nz/hc/en-gb/articles/360000335995-Setting-Up-and-Resetting-Your-Password
  - https://support.nesi.org.nz/hc/en-gb/articles/360000203075-Setting-Up-Two-Factor-Authentication

- Setup terminal (ssh configuration)
  - https://support.nesi.org.nz/hc/en-gb/articles/360000625535-Standard-Terminal-Setup

Files and Directories

- To Navigate to 'lib'
  - cd /usr/lib
- Once I am in 'lib' and want to move to home
  - cd ..
  - cd ..
  - cd /home/

File paths: on NeSI

Home directory:

/home/npoo010

Project directory:

/nesi/project/nesi99999

No Backup directory:

/nesi/nobackup/nesi99999

Moving Data

- *scp*
  - smaller data transfer
  - From laptops or hard drives

- Globus
  - Transfers from institutional clusters is faster
  - Prereq. - setup a personal endpoint
  - Easier to share data with collaborators (if they are not on NeSI)

Things to note

- **NeSI Tip**: Logging into Mahuika on a terminal window before the transfer will make the process smoother

- Do **not** close the terminal window as soon as you run the command (especially while transferring folders); make sure the progress bar shows '100%' before you close it

- **Evaluate** a successful transfer: To make sure your files have been successfully transferred, it is a good idea to check that the file size of the original and transferred file(s) are the same

Time for a demo!

If you need help

- Contact us at support@nesi.org.nz
- The webinar materials (recording and slides) will be sent out to those who registered for the webinar.
- Thanks for coming!