

Connecting with Secure Shell to the HPC

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SSH client usage - Windows

- Install **PuTTY** Windows MSI installer
- PuTTY configuration
 - Session
 - Host Name: **nfs01.hpcagrogeomics.wur.nl**
 - Connection
 - Data
 - Auto-login username:
your_remote_username
- More info

https://wiki.hpcagrogeomics.wur.nl/index.php/Log_in_to_B4F_cluster

SSH client usage – Linux/MacOSX

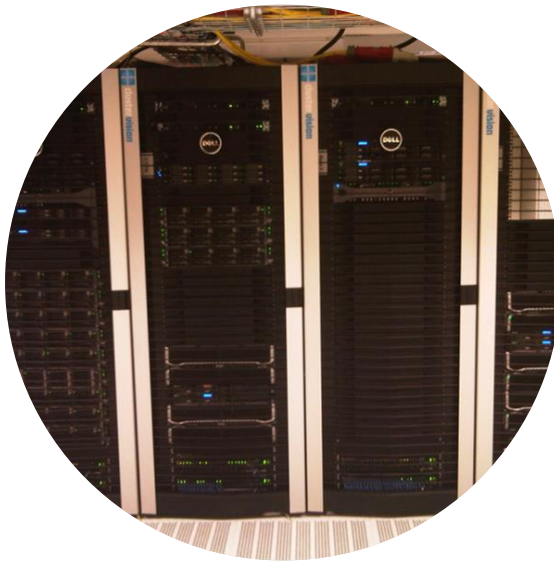
- Use a Command Line Interface
- `ssh [username]@nfs01.hpcagrogeomics.wur.nl`
- More info

https://wiki.hpcagrogeomics.wur.nl/index.php/Log_in_to_B4F_cluster

Introduction to the command line

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The command line environment

- When you log in to your account using SSH:

```
[username@nfs01 ~]$
```

- The symbol *~* indicates that you are in your home directory.

Listing files and directories

ls

The ***ls*** command provides a listing of a directory's contents.

More details:

ls -l

Navigating

- To determine which directory you are currently:

pwd

- To change to another directory:

cd path_to_other_directory

- To go back up one level:

cd ..

- To go to your home directory:

cd ~

Creating and removing directories

- To create a directory:
mkdir my_directory

- To remove an empty directory:
rmdir my_directory

Copying, moving and deleting files

- To copy a file:

cp file1 file2

- To move (rename) a file:

mv file1 file2

- To delete a file:

rm file1

Environment variables

- ~data storage for Unix/Linux shell
- To assign an environment variable

MYVARIABLE=my_value

- To access the data stored within an environment variable:

echo \$MYVARIABLE

- Remove the existence of an environment variable:

unset MYVARIABLE

