# Connecting with SSH

The most basic and powerful way to connect and use the resources is via ssh to a login node. How to accomplish that will depend on what Operating System you use on your laptop or desktop.

## Mac OS X and Linux

Mac OS X and all Linux distributions have, by default, a terminal application and ssh clients. While Linux has a variety of Terminal applications with an expansive array of features to choose from, the default Terminal in Mac OS X is somewhat limited. If you use a Mac, you might want to try [iTerm2](https://iterm2.com/) as it has many enhancements over the built in Terminal app.

## Windows

The first step to connecting from Windows is choosing and installing an SSH client. Some available free options are

* [PuTTY](https://www.chiark.greenend.org.uk/~sgtatham/putty/)
* [MobaXterm](https://mobaxterm.mobatek.net/)
* [WSL](https://docs.microsoft.com/en-us/windows/wsl/install)

In particular the combination of [MobaXterm](https://mobaxterm.mobatek.net/) with [WSL](https://docs.microsoft.com/en-us/windows/wsl/install) can ***almost*** make working from Windows in a Linux environment an acceptable experience (ignoring the pain and effort of getting it set up and configured, of course). Any of these will get a functional ssh client onto the system.

## Making the connection

Once at a terminal with an available ssh, connecting is as simple as ssh USERNAME@HOSTNAME, for example, to connect to BRUNO I would use my username, john.hanks, and ssh to the BRUNO login nodes:

(base) [griznog@lepomis ~]$ ssh john.hanks@login.bruno.czbiohub.org  
Last login: Thu Oct 14 15:20:09 2021 from 10.79.124.15  
[john.hanks@login-01 ~]$