Using the Bastion Host to Connect to Sonic for Linux Users

These instructions require you to be running a Linux variant on your desktop/laptop from home and that you have an account on our bastion host and the Sonic HPC cluster.

To get an account on the Bastion Host, please log in to www.ucd.ie/ithelp, and click "Get Help", and request access to the Bastion Host using the form.

To get access the the Sonic HPC, log in to www.ucd.ie/ithelp, click "Request Something", and search for "New HPC Account Request" in the "Research IT" category.

To connect to Sonic via the Bastion Host:

1) Using the terminal (ctrl + alt + T), create a new file with the below command from your home directory:
   ```
   vi  .ssh/config
   ```

2) Enter the following details, replacing "jbloggs" with your UCD Connect username:

```
Host bastion
        User jbloggs
        Hostname resit-ssh.ucd.ie

Host sonic
        User jbloggs
        Hostname sonic.ucd.ie
        Port 22
        ProxyCommand ssh -q -W %h:%p bastion
```

3) Change the permission on this file to be 600:
   ```
   chmod 600 ~.ssh/config
   ```

4) Now from terminal, enter:
   ```
   ssh sonic
   ```
   and you will be prompted for both the password to resit-ssh and sonic, and you will be left at the sonic shell.

Alternative option

A one liner command for the same as above is:
```
ssh -J username@resit-ssh.ucd.ie username@sonic.ucd.ie
```