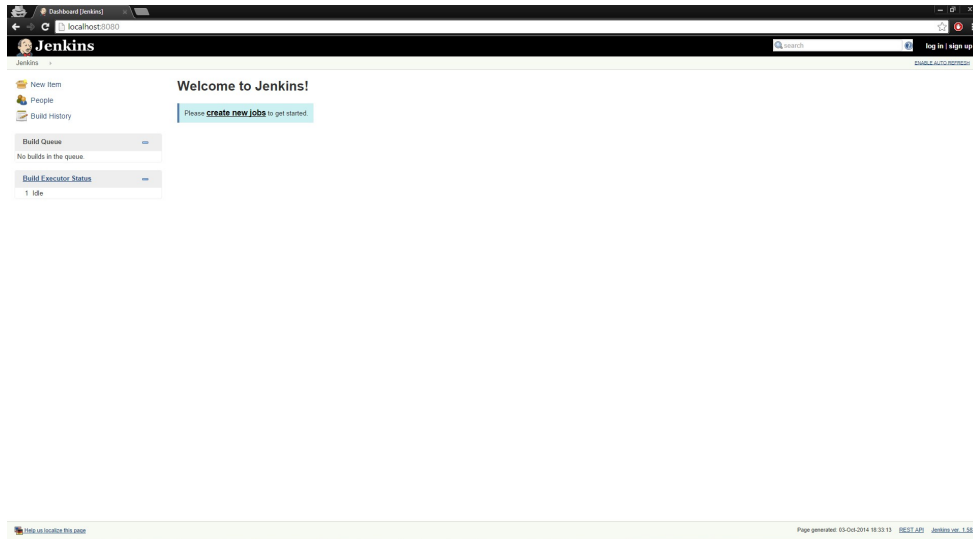
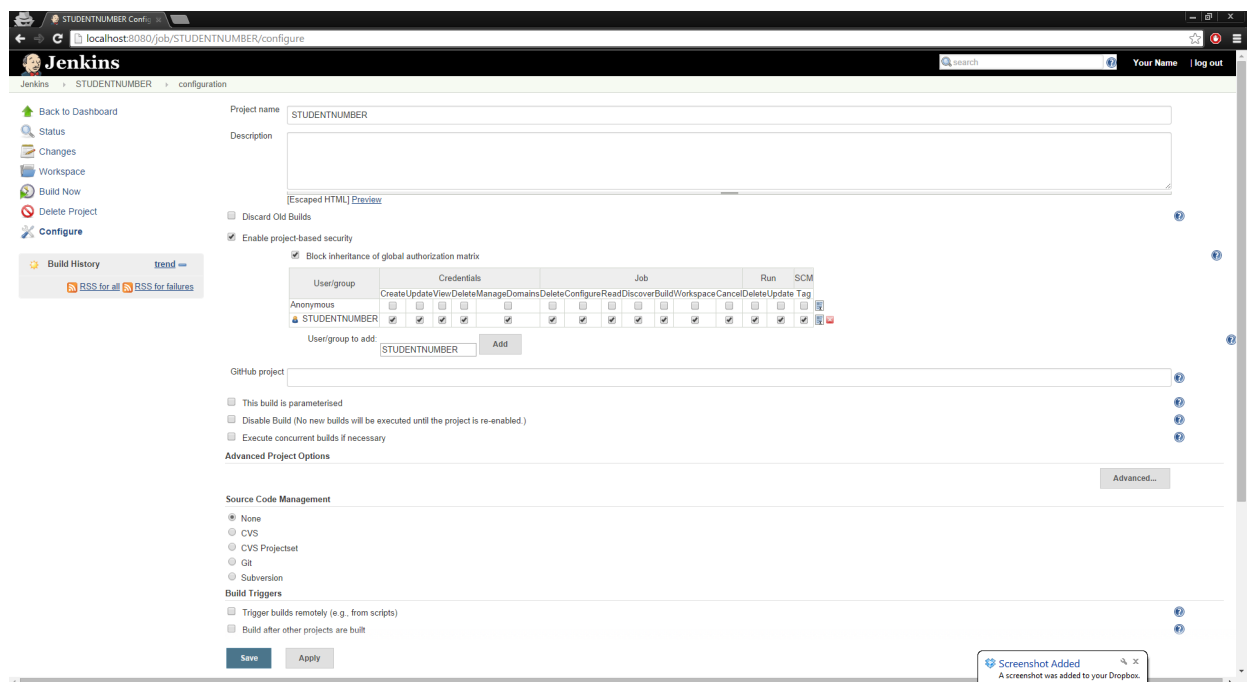


Running Programs On HPC

1. Set up a tunnel to hpc.csse.uwa.edu.au:8080 from your local machine. If you need help with this, there are plenty of tutorials on Google.
2. Visit the local address in your web browser (i.e. <http://localhost:8080/>). You should get the following website.



3. Click on Log In in the top right. Then click on “create an account”.
4. Enter your student number as the username, then fill out the other parts of the form.
5. Go back to the main page, then click “create new jobs”.
6. Enter your student number under “Item name” and select “Freestyle project”, then click Okay.
7. Tick “Enable project-based security”, and then click “Block Inheritance of global authorization matrix”.
8. Add your user name and tick all of the boxes.
It should end up looking like the following.



NOTE: You can add other people here so they can use the same job. This is useful if you are working in a pair.

9. Scroll down to build environment and tick “Abort the build if it's stuck”. Set time-out strategy to “Absolute” and minutes to 10.
10. Click add action then select “Abort The Build”.
11. Scroll down to build and click “Add a Build Step”. Select “Execute Shell”.
12. Enter the commands you want to run.

For example:

```
wget http://undergraduate.csse.uwa.edu.au/units/CITS3402/labs/breather.c  
gcc breather.c  
./a.out
```

13. Click Save.
14. Click on “Build Now” to execute run your job and execute your code.