Gaining Access to WSB Cluster

Georges-Moacbook-Pro:~ georgemarchughes$ mkdir .ssh
Georges-Moacbook-Pro:~ georgemarchughes$ chmod 700 .ssh
Georges-Moacbook-Pro:~ georgemarchughes$ cd .ssh
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/georgemarchughes/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/georgemarchughes/.ssh/id_rsa.
Your public key has been saved in /Users/georgemarchughes/.ssh/id_rsa.pub.
The key fingerprint is:
The key's randomart image is:

|--[ RSA 2048]----+
|   oBB.. |
|  ..++=.. |
|   o o o.E |
|    o   o . |
|     * S |
|      + = |
|       . |
|      . |

Georges-Moacbook-Pro:~ georgemarchughes$ chmod 600 id_rsa
Georges-Moacbook-Pro:~ georgemarchughes$ open -R id_rsa.pub
Georges-Moacbook-Pro:~ georgemarchughes$ ssh georgehughes@wsbc.warwick.ac.uk
The authenticity of host 'wsbc.warwick.ac.uk (137.205.183.3)' can't be established.
RSA key fingerprint is ab:14:20:58:5a:00:4f:9a:2f:11:0f:54:8a:85:c0:ee.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'wsbc.warwick.ac.uk,137.205.183.3' (RSA) to the list of known hosts.
Identity added: /Users/georgemarchughes/.ssh/id_rsa
(/Users/georgemarchughes/.ssh/id_rsa)
Welcome to Darwin!
================================
Welcome to the Warwick Systems Biology Cluster.

Using the Cluster

wsbc:~ georgehughes$ logout
Connection to wsbc.warwick.ac.uk closed.
Georges-Moacbook-Pro:~ georgemarchughes$ scp ~/Documents/MATLAB/squares.m georgehughes@wsbc.warwick.ac.uk:/cluster/georgehughes/squares.m
100% 966 0.9KB/s 00:00
Georges-Moacbook-Pro:~ georgemarchughes$ ssh georgehughes@wsbc.warwick.ac.uk
Last login: Tue Jan 28 12:48:31 2014 from 172.31.55.39
Welcome to Darwin!
================================
Welcome to the Warwick Systems Biology Cluster.

You are now logged on to the head node.
Do not run jobs directly on this node.
Such jobs consume CPU power, slowing the performance of the server.

The correct way to use the cluster is as follows

Interactive jobs – use 'qrsh' to move on to one of the execution nodes and run commands from there.
Non-interactive (batch) jobs – use 'qsub' from this prompt to submit them to the scheduler for remote execution.

Any jobs found to be running on the head node outside the scheduler will be killed by the administrator in the interests of other users.

wsbc:~ georgehughes$ matlab -nodisplay -nodesktop
Warning: No window system found. Java option 'MWT' ignored

---


Version 7.7.0.471 (R2008b)

September 17, 2008

To get started, type one of these: helpwin, helpdesk, or demo.
For product information, visit www.mathworks.com.

>> tic; r = dfeval(@squares, {1,10^3+1,10^4+1,10^5+1,10^6+1},{10^3,10^4,10^5,10^6,10^8}, 'configuration', 'sge_config'); toc;

Submitting task 1
Job output will be written to:
/cluster/georgehughes/Documents/MATLAB/Job8_Task1.out
QSUB output: Your job 1684512 ("Job8.1") has been submitted

Submitting task 2
Job output will be written to:
/cluster/georgehughes/Documents/MATLAB/Job8_Task2.out
QSUB output: Your job 1684513 ("Job8.2") has been submitted

Submitting task 3
Job output will be written to:
/cluster/georgehughes/Documents/MATLAB/Job8_Task3.out
QSUB output: Your job 1684514 ("Job8.3") has been submitted

Submitting task 4
Job output will be written to:
/cluster/georgehughes/Documents/MATLAB/Job8_Task4.out
QSUB output: Your job 1684515 ("Job8.4") has been submitted

Submitting task 5
Job output will be written to:
/cluster/georgehughes/Documents/MATLAB/Job8_Task5.out
QSUB output: Your job 1684516 ("Job8.5") has been submitted

Elapsed time is 22.561861 seconds