**Exercise 7c**

*Creating a Cassandra Cluster in EC2*

**Prior Knowledge**

Unix Command Line Shell  
Amazon AWS / EC2 Console

Previous Cassandra exercises

**Learning Objectives**

Demonstrate Cassandra replication and scaling

**Software Requirements**

* AWS, Cassandra AMI

This lab is a simplified version of:

<http://docs.datastax.com/en/cassandra/3.0/cassandra/install/installAMI.html>

1. Start up the AWS Console and login.
2. Make sure you are using the eu-west (Ireland) region.
3. Check that you can see the cassandra-security-group
4. Use this link to start the launch image page for the right Amazon AMI:  
   <http://freo.me/oxclo-lnch-cass>  
   1. Alternatively search for AMI ami-7f33cd08 in EU-West-1 (Ireland)
   2. Or look at the list on the DataStax page above.
5. Choose m3.medium as the instance size. Click **Next Configure Instance Details.**
6. Now select 3 instances. Expand the userdata section and paste in the following string (changing to your username)  
   --clustername oxcloXX-cassandra-cluster --totalnodes 3 –version community
7. **Next: Add Storage** then **Next: Tag Instance**
8. Change the Name tag to *oxcloXX-cassandra*
9. **Next: Configure Security Group**
10. Choose Existing Group and then cassandra-security-group
11. Continue to Launch the instances and choose your own keypair (so that you can access the instances).