# IN719 Work Log

## 5/3/2013

Set up initial vApp on cloud.ict.op.ac.nz – 4 Debian servers and 1 Windows server. Started Windows Server (2008 R2), and created Administrator accounts for “Administrator”, “garethhegarty”, “tclark”, and myself (robattfield). Remote desktop access for the Windows server was enabled (only within the Otago Polytechnic network).

## 8/3/2013

Installed Active Directory on Windows Server 2008 R2. Server was originally set up under the domain “groupl.sqrawler.com”. Instructions and specific tasks included in the Ops Docs.

At the end of the installation process, we ended up getting the following error below:

NTDS(472) NTDSA: Database ‘C:\Windows\NTDS\ntds.dit’: The secondary index ‘PDNT\_index’ of table “datatable” maybe corrupt. If there is no later event showing the index being rebuilt, then please defragment the database to rebuild the index.

## 12/3/2013

We realised that the domain “groupl.sqrawler.com” was not the correct domain for your group – it should have been “groupI.sqrawler.com”.  
  
We then had a discussion with Tom (Clark) about an ideal process for making this change. It turned out to not be a trivial task – we needed to uninstall Active Directory, and re-install it with the new domain in place.

Also had a discussion about trees and forests – with respect to Active Directory.

**15/3/2013**

Discussed the creation of a System Restore Point for our Windows 2008 server.

## 18/3/2013

We carried out the tasks mentioned in our discussion with Tom (on 12/3/2012). No major errors of note came up.

## 19/3/2013

There was a known bug in the cloud service, which caused our servers to shut down – and not be able to be powered up. We went to Perrin to discuss this issue – which he informed us that everybody’s servers had to be reset (which he did so, at 3:30pm). We were able to access the servers again after 6pm.

After this issue was resolved, we powered up the db server, while leaving the Windows server on. We also powered down the other three servers running. We also created user accounts for “tclark”, “hegargm1”, “rattfield” and installed SUDO as root.

## 22/3/2013

We looked at how to create custom Debian packages, and some essential Linux-based commands (provided in reference material).

## 26/3/2013

Disabled root ssh access to the db server

sudo apt-get install mysql-server

changed mysql-root password

We also installed mysqld v5.1 on the db server.

## 27/3/2013

We installed git on our db server, and read some material about how to use git.