

## Daniel Wells – 19/08/2008 – MSc in Computer Science

### Progress Report:

#### --Masters Progress

- Access Concentrator
  - Squid Caching
    - Fixed squid, certain web pages not getting fetched
    - Couple new lines to *squid.conf*
      - *always\_direct allow 146.231.0.0/16*
      - *never\_direct allow all*
  - lightsquid
    - Pretty web based front end to Squid logs
    - Per day, user, group, web site (with times of access)
    - Simple usage graphs per periods
    - Hosted on blackspy
    - Customizable
      - Only show the information you want
      - Can remove certain domains (eg: “.ru.ac.za”)
    - <http://blackspy.ict.ru.ac.za/lightsquid/>
- SNRG Wiki
  - Added How To on Updating *and Upgrading your ports tree*
- Cacti
  - Devices set up with SNMP
  - Have discovered it's customizable
  - Can add your own TABS and graph templates
  - For example graph templates on Squid usage
  - <http://blackspy.ict.ru.ac.za/cacti/>
- Vmware-nms
  - Multiple applications linked to one appliance
  - One FreeBSD machine with multiple monitoring apps installed
    - Cacti
    - Webmin (<http://www.webmin.com/>)
    - phpMyAdmin
- Blackspy
  - Can ssh in from outside of Rhodes (*open port 22/tcp*)
  - All other ports blocked

## --Next Up

- FreeRADIUS
  - Get MySQL user database set up
  - Add some test users from different groups
- Access Concentrator
  - Attempt to implement a quota system similar to Rhodes' or RUCUS'
    - Pretty much works off Squid's *access.log*
    - Can get what page, user name, amount transferred
  - Play with Webmin, or find similar application
- Blog
  - Update!!!