

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

Progress Report:

--Masters Progress

- Built a How-To doc on SNRG wiki
 - Install Squid, install FreeRADIUS on separate server
 - Make them talk nice with *squid_radius_auth*
 - All working configuration is added
- Squid
 - NAT disabled on Access Concentrator
 - Local traffic will still be routed out of the network though
 - Error
 - Certain websites are denied.
 - Local (Rhodes) websites are attempted to be fetched through cache.ru.ac.za (not good)
 - Google searches...
 - Will look into this
- Cacti installed
 - Lots of learning, lots of make errors (cannot find this+that, see portupgrade)
 - Apache not installed by default, install apache
 - Hosted web pages are plain text; install PHP.
 - *Reinstall php with apache module selected... (idiot)*
 - Configure apache for php and add *Alias* for Cacti
 - Cacti up and running
 - Playing with it to make sure I've installed it correctly and adding devices
- Updating and upgrading ports and installed packages using csup, portupgrade, portsdb and portversion
- Document
 - Layout restructured to be more readable and better looking
- COE Work
 - Copied image to machine using g4u and FTP server on snrgmobile connected through cross-over cable
 - Not sure it was done correctly.
 - *Edubuntu: Begin: Waiting for root file system... ..*
 - *Windows: Instant reboot before anything seen*

--Next Up

- Add routers and FreeRADIUS machines to be monitored by Cacti
 - Install SNMP on site router and FreeRADIUS server
- Squid
 - Fix buggy webpage fetches that go wrong
 - Prevent all local traffic from ACR leaving unless it goes through squid
- Document
 - Keep on updating as I move on
 - Add section on Cacti install
- SNRG Wiki
 - Add some n00b tips that helped me to the FreeBSD section
 - Add How To for Cacti install on FreeBSD
- Network Management Station – Cacti, Syslog, SNMP Traplog, Apache and MySQL
 - Similar to my project . . . (*hrmph*)
 - *vmware appliance, 652 MB*
 - Get a copy of it and dismantle it for more information
 - Valuable resource?
 - <http://www.vmware.com/appliances/directory/310>
- Still keep a log of what I'm doing everyday... I like it