

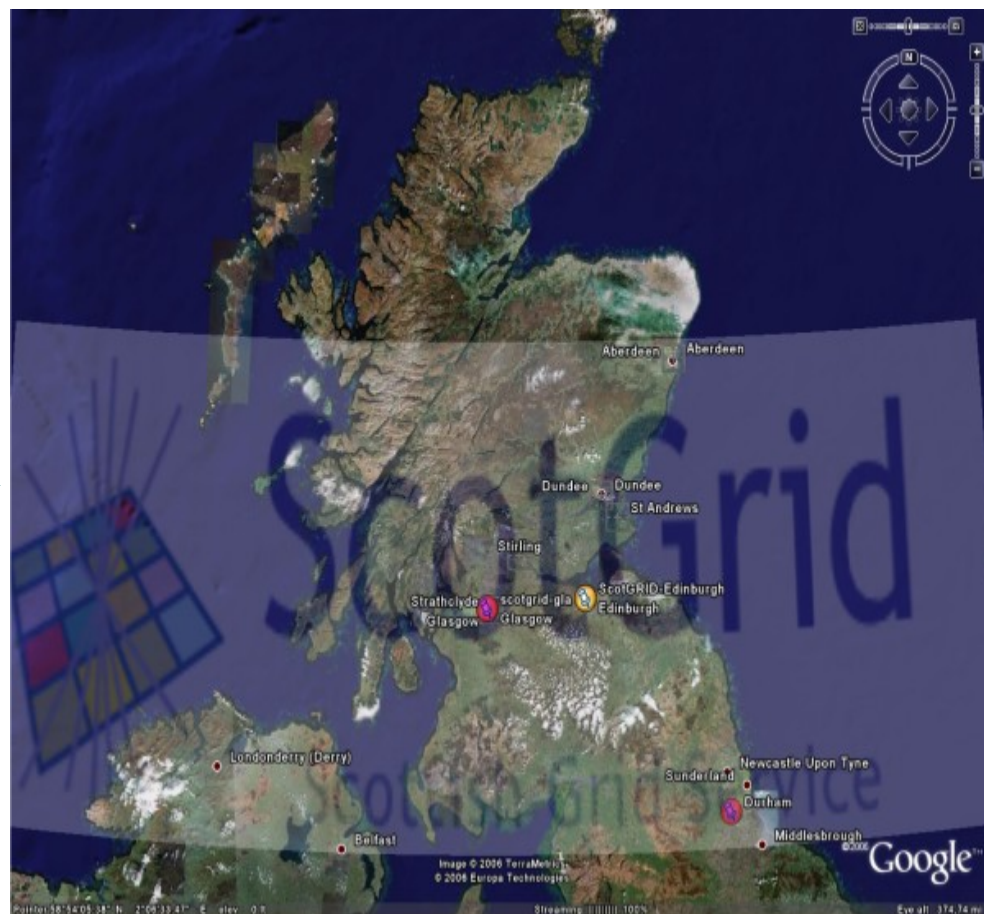
ScotGrid – Site Report

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The ScotGrid Sites

- Durham
 - 3.5TB / 72 kSI2k
- Edinburgh
 - 25.5 TB / 3.5 kSI2k
- Glasgow
 - 34 TB / 840 kSI2k



Durham

- Network cap removed
- Preemption work on Maui
 - local users force grid jobs to be suspended
 - http://www.gridpp.ac.uk/wiki/Maui_Preemption
- Future Hardware plan unknown. (Funding)

Edinburgh

- New *Edinburgh Compute and Data Facility* (ECDF) Onsite at their datacentre
- 5 racks CPUs / 9 Storage (existing SAN)
- 128*2*Dual Core 3GHz Intel.
- 2G per core (8G per node)
- SGE Batch System
- Grid / HEP purchased %

Glasgow

- New Cluster commissioned October 06
- Replaced Vendor software system with SL3 (wn / grid servers) and SL4C (disk servers)
- Cfengine



Operations

- Distributed Support
 - Staff have their public key on a “Trusted” host
 - Trusted host has access to headnodes.
 - Staff must judge level of competence
- Blog
 - <http://scotgrid.blogspot.com/>

Yaim Peoples Front

- Needed new config method at Glasgow
 - lftp mirror script wiped out /etc on headnode
- Python hooks to an SQLite database
- Implemented rapidly
 - Cluster remarkably undamaged
 - No Central point of failure

Future

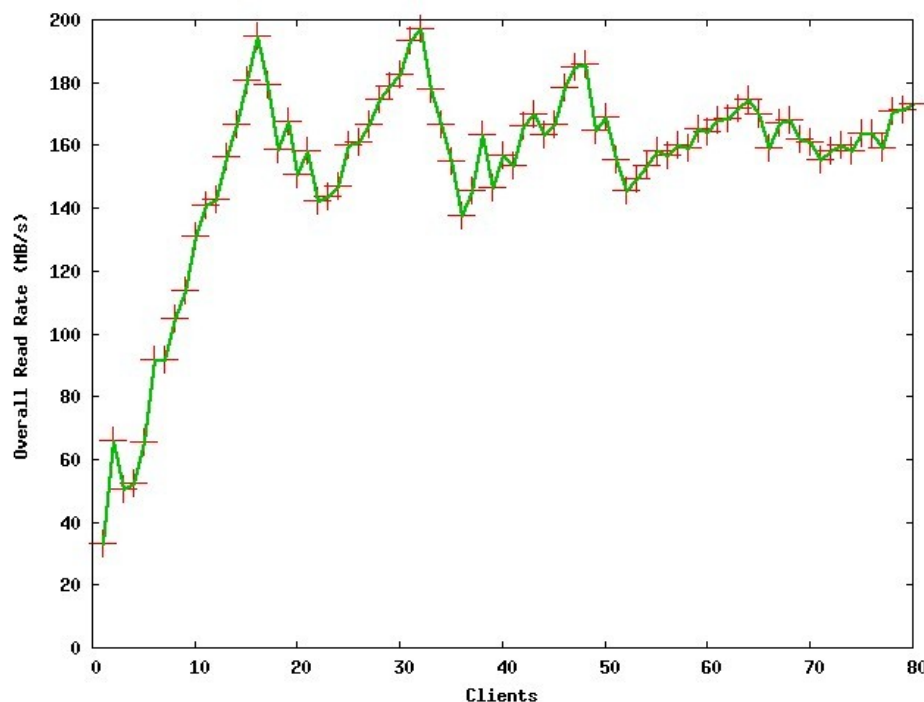
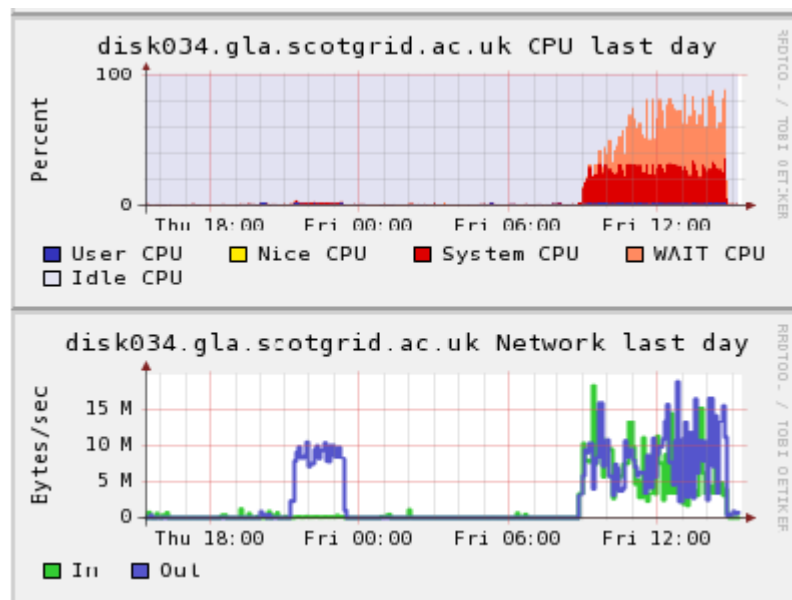
- Short term project to webify accounting
- Extend Nagios / Ganglia
- Glasgow
 - Minor network topology tweak
 - nortel cluster switch direct to backbone switch
 - Rebuild svr031
- Site readiness review (22/23 May)

DPM / dCache Benchmarks

- Greig Cowan / Graeme Stewart
 - rfio test to LAN Storage.
 - Write a 1G file then read back in.
 - No of clients wait until a sync time and start
 - No Batch system
 - Repeat with increasing client count
 - Already identified DPM issues – addressed
 - Developer feedback appreciated!

DPM Benchmark plot

- Sample from last week (1.6.3)



Questions?