



ScotGrid HEPSysMan - June 2008 Site Update HEPSYSMAN June 2011







Thursday, 30 June 2011





People

- Technical Co-ordinator: Mark Mitchell
- Data Management: Sam Skipsey
- Mar Farcatshans' Staigurtes.
- System/Data Management: David Crooks





CPU

- 2112 cores
- Mix of 3 generations:
 Neact \$500 Figures Edge C6100, 12 core (624 in total)
 - Older: E5420 Viglen, 8 core (1352)
 - Oldest: AMD 280, 4 core (136)





Disk

- Currently I.39PB online storage
- Same 3 generations: Facts n Figures.
 Newest: 60T 36 bay ~ 900T
 - Older: 20T 24 bay ~ 400T
 - Oldest: 10T 24 bay ~ 90T



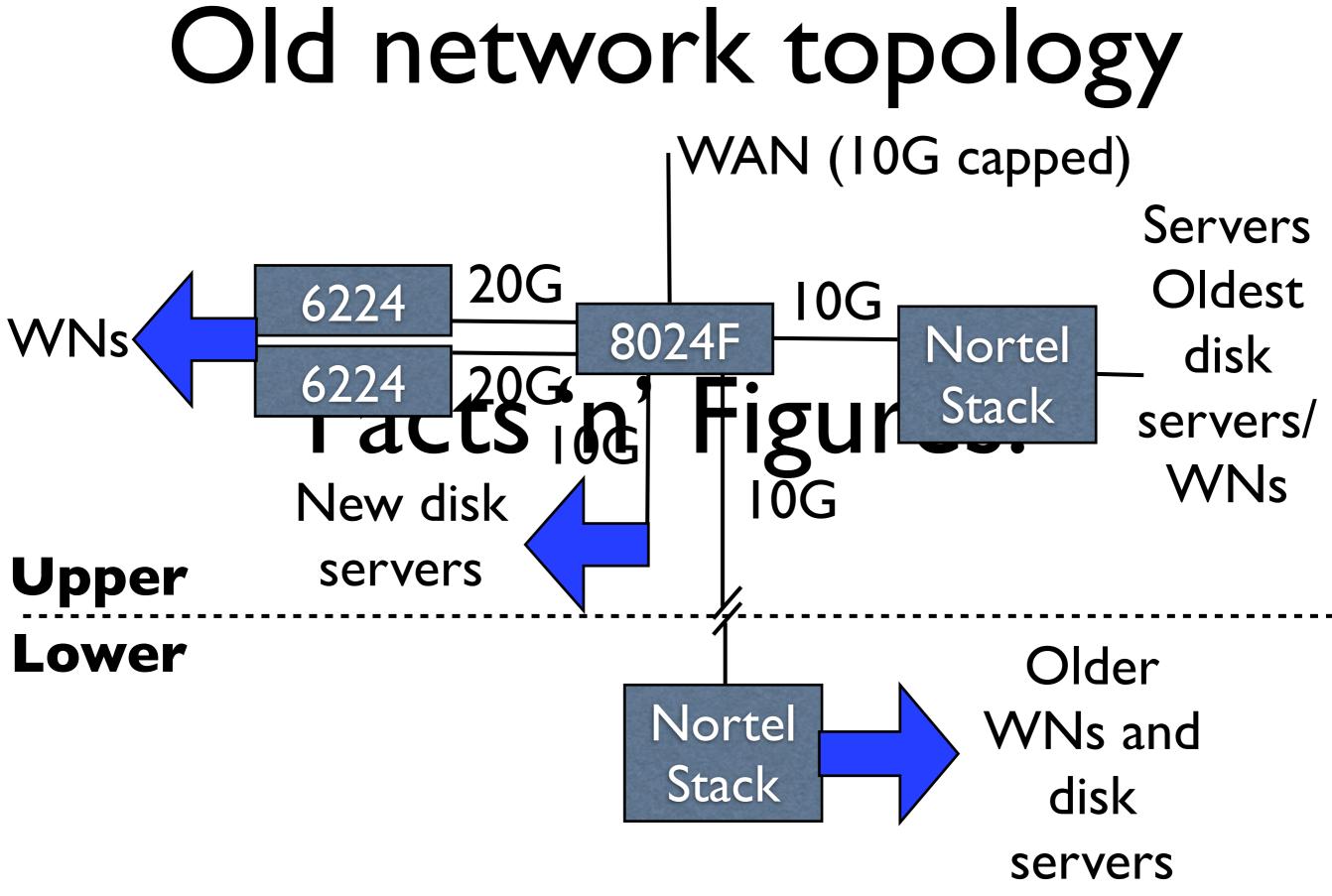


Networking

- Upgraded to 24x10Gb/s core switch : DELL 8024F
- Cluster network now passed through main physics switch directly to ClydeNET no interaction with University fits all n' Figures.
- Share of 6 Gb/s; effective upper limit at 3 Gb/s
- 130.209.239.0/25 range
- Monitoring: Nagios/Cacti/Ganglia
 - In process of installing NagVis









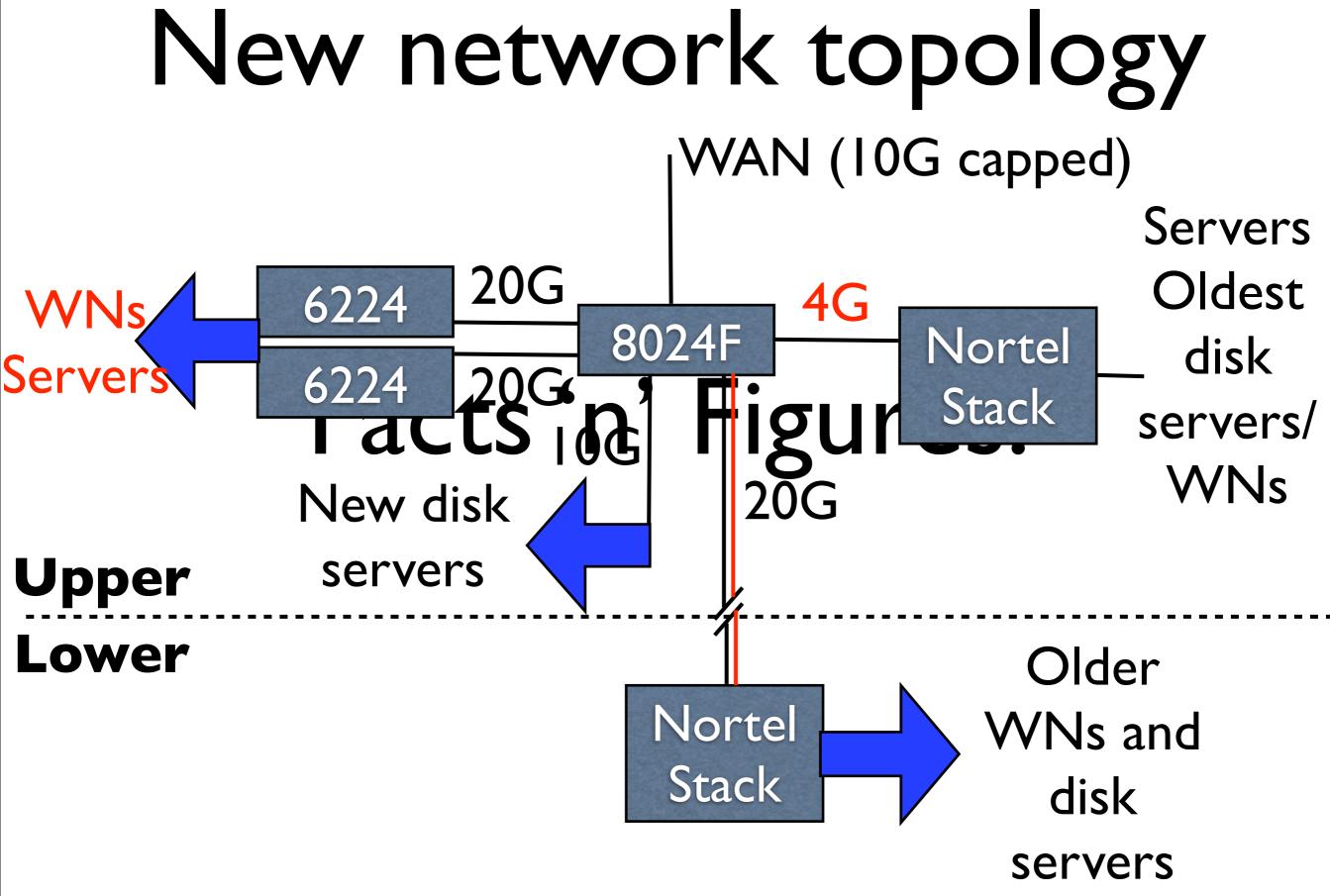


Networking 2: Maui woes

- Started noticing Maui crashing
- Suspected ageing hardware
- Imp Eractes minitoringer a Scripts
- Then saw correlation with spikes in analysis jobs/ DPM storage traffic
- Increasing connection speed between machine rooms











Power Cuts

- 6 power cuts over last 6 months
- Often pairs as interventions take place
- More comprehensive fix
- Beginning of August, 2-3 days downtime