



GridPP

UK Computing for Particle Physics

Edinburgh: Site Report

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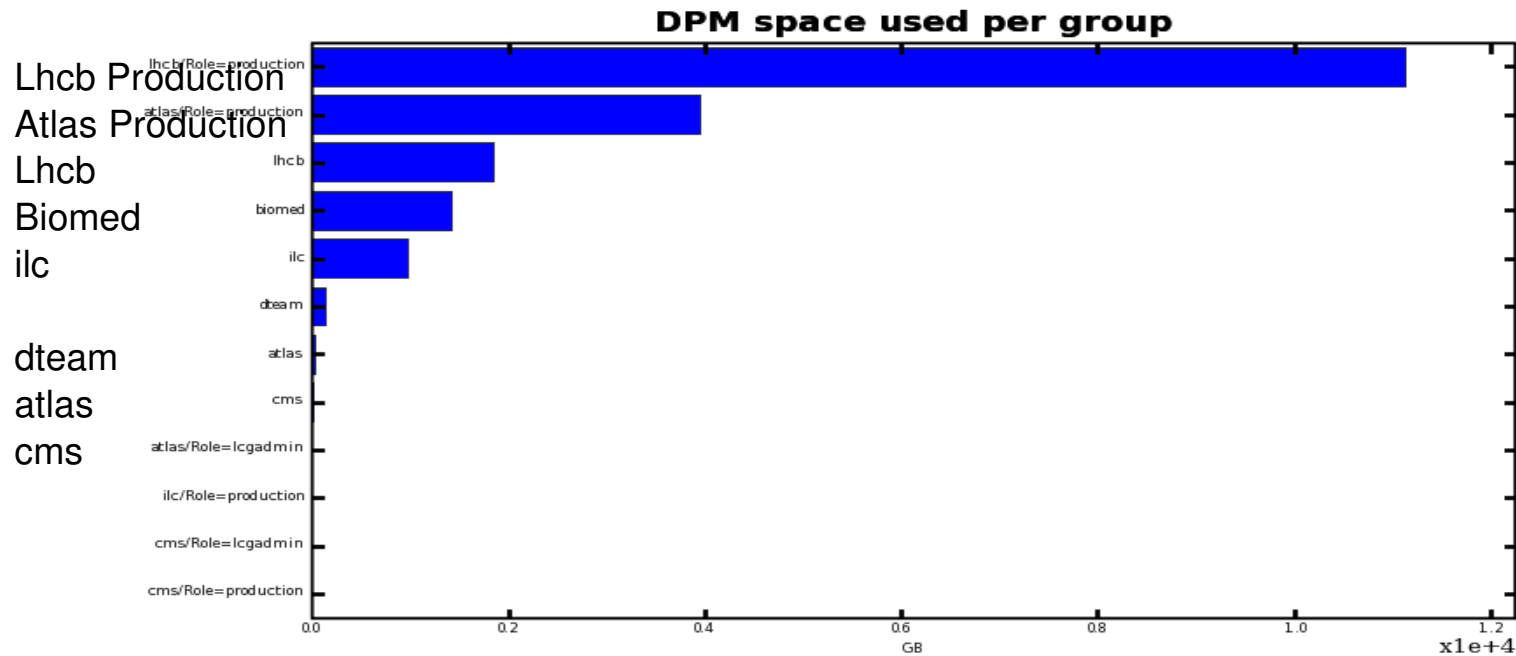
- Structure and upgrades
- Changes in staffing
- STEP experiences - none

Structure of Edinburgh Site

- Grid uses 10% (fair) share of Edinburgh Compute and Data Facility ([ECDF](#))
- Total resource (compute):
 - 128 x2 Dual-core 3 GHz Xeon (Aug 2007)
 - 128 x2 Quad-core 3 GHz Xeon (Feb 2008)
 - RAM: 2 GB / core
 - Dual-gigabit ethernet throughout with 60 nodes on InfiniBand
 - 2 Compute Elements – 1 older (worse) than other
- Grid Engine batch system

Storage resource

- Total 250-300 TB Storage
 - Most local access through GPFS – 8 servers
 - 32 TB GridPP – 2 DPM Pool servers
- 1 SRM – running DPM v1.6.7-1 – plan another



5 TB

10 TB

Upgrade plans

- Upgrade of cluster planned similar in magnitude to initial purchase
- May 2010: 1st phase
- May 2011: 2nd phase – initial nodes decommissioned

Staffing changes and plans

- **Storage Support:** Greig left (few months ago); Wahid started (this month)
- **Physicist-programmer:** Andy Washbrook started last week
 - In HEP group supporting all computing inc. (~50%) GRID needs
- **Middleware team:** 2 new posts (yet to come)