Scotgrid Glasgow Hardware

HEPSYSMAN June 2013

David Crooks & Gareth Roy on behalf of Scotgrid Glasgow

Cluster Estate

CPU

Year	Model	Cores / node	Total Cores	Remarks
Late 2007	Xeon E5420	8	1352	Reliable; now approaching end of operational window
Early 2010	Xeon X5650	24*	1248	Reliable; usefully extended to use HyperThreading with increased swap
Early 2012	Opteron 6276	64	640	Run hot; increased issues with 64 cores &10Gb/s networking
Early 2012	Xeon E5-2660	32*	896	The Sandybridges have worked well; reliable, run cool, HyperThreading effective

* with Hyperthreading & increased swap

Cluster Estate

DISK

Year	Vendor	Disk Capacity (TB)	Total Capacity (TB)	RAID Card	Remarks
Late 2007	Viglen	20TB	400 TB	ARECA	Bonded networking; generally reliable; reaching end of operational window
Early 2010	Super micro	60 TB	900 TB	3WARE	Dense storage; RAID cards are a bit tricky to work with; 10Gb/s networking
Early 2012	DELL	18 TB	90 TB	DELL PERC	Work well; no issues to speak of since installation