

Aston University



HPC Midlands Plus

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Centre Facilities

- £3.2m from EPSRC for hardware
- Procurement completed before Christmas
- Clustervision – Huawei supplying
- 14,336 x86 cores – consisting of 512 nodes each with 2 x Intel Xeon E5-2680v4 cpus with 14 cores per cpu and 128 GB RAM per node
- 3:1 blocking EDR Infiniband network, giving 756 core non-blocking islands
- 1 PB GPFS filestore
- 5 x (2 x 10) core 2.86 GHz POWER8 systems each with 1 TB RAM connected to the Infiniband network – one with 2 x P100 GPGPUs
- Dedicated 10 TB SSD GPFS filestore for prestaging files

Centre Setup

- Centre installation complete by end of March
- Pilot service in the early part of April
- Full service by the end of April
- 15% time on the system released as part of Tier 2 national service
- Research software engineers at all of the sites across the centre, at least 4 FTE for the centre
- Training courses across the centre
- Currently recruiting a research software engineer and a Linux/HPC system administrator at Loughborough