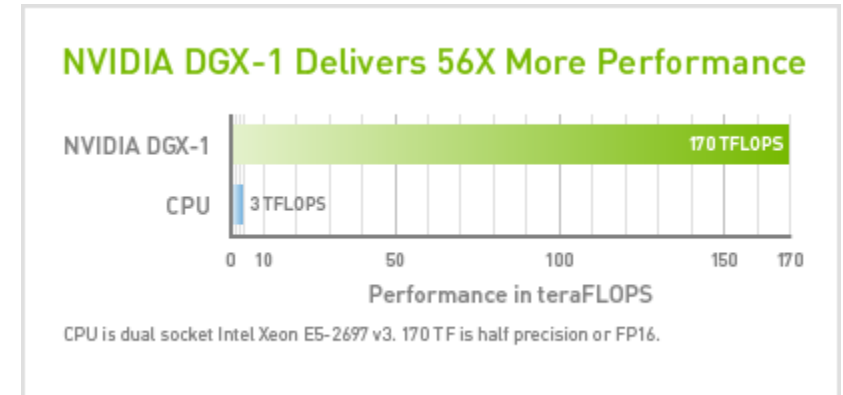


The JADE System

- 22 NVIDIA DGX-1
 - 3.740 PetaFLOPs (FP16)
 - 2.816 Terabytes HBM GPU Memory
- 1PB filestore
- P100 GPUs - Optimised for Deep Learning
 - NVLink between devices
 - PCIe to Host (dense nodes)
- Use cases
 - 50% ML (Deep Learning)
 - 30% MD
 - 20% Other
- PI: Mike Giles (Oxford)



Procurement, Hosting and Access

- ATOS have been selected as the preferred bidder
 - Following procurement committees review from tender
 - Running costs to be recouped through selling time to industrial users
- To be hosted by STFC Daresbury
 - Will run SLURM scheduler for scheduling at the node level
- Resource allocation
 - Open to all without charge
 - Some priority to supporting institutions
 - Light touch review process (similar to DiRAC)

Co-Investigators, Governance and RSE Support

- All CIs have committed RSE support time for their local institutions
 - To support local users of JADE system
 - Role of TIER2 RSE network to be agreed
- Training
 - Some commitment to training offered by some CIs (Alan Gray at EPCC, Paul Richmond EPSRC RSE Fellow)
- Governance via steering committee
 - Prof. Anne Trefethen (chair), Oxford University CIO and PVC
 - an EPSRC representative
 - Alison Kennedy, Director of STFC Hartree Centre
 - Prof. Simon McIntosh-Smith, Bristol
 - a representative of the machine learning community
 - a representative of the molecular dynamics community

