

RESEARCH COMPUTING @ RIT

SURAgriid All Hands Meeting 10.2.08

- Resources

- HTC Condor pool of 1200+ cores (Windows, Mac, Linux, Solaris)
- HPC cluster, 50 nodes, 2 x P3 1.4 GHz, .5 GB RAM/node, ROCKS, Condor
- SMP Large Memory Machine with 32 GB RAM, 4 x 2.8 GHz Opteron cores
- HPC/SMP cluster of 4 nodes, 32 x 2.2 GHz Opteron cores, 64 GB RAM/node
- 48 TB x 2 file servers, NFS, ZFS, 10 GigE
- Access to IBM BlueGenes at RPI, Brookhaven/StonyBrook via NYSGrid
- RIT Collaboration Grid, Access Grid, UltraGrid, CyberPortals, 10 GigE

- Staffing: Sys Admin, Temp, Coop

- Plans for October 1, 2008--March 31, 2009

- SMP large memory machine with .5 TB RAM, 16 3.0 Opteron cores
- Connect to OSG, connect condor clusters to other campus pools
- SGE training for complex job management, CycleComputing
- Hire Application Support Specialist

- Applications (Areas of emphasis/new initiatives)

- Remote sensing, image processing, astrophysics, microsystems, medical modeling, graph theory, physics, world community grid

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