IMPLEMENTING LINUX-ENABLED CONDOR IN MULTIPLE WINDOWS PC LABS

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OU Condor Pool

- 195 Node Condor Pool
- 3.0 GHz P4, 1 GB RAM, 40 GB HD, 100 Mbps network
- Distributed over Campus PC labs
- Switched from WinXP to RHEL4
- Added VMWare 5.5 + WinXP, and Condor 6.7
- Central Manager: 2.8 GHz P4, 2 GB RAM, 250 GB HD, 1000 Mbps network (Henry’s desktop)
OU Condor Pool (cont.)

- Special Condor configuration necessary because PC labs are on private Network
- Special Firewall settings and DNS lookup (forward and reverse)
- Nodes imaged by IT with GHOST-like software
- All 750 Campus lab PCs to be included by Christmas
- Central Manager also Globus Gatekeeper
- OSG 0.4.1 with modified NFS-lite Condor jobmanager installed
- Reporting Pool Size and VO Jobs to MonALISA Repository
Implementing Linux-enabled Condor in Multiple Windows PC Labs

Open Science Grid Monitoring with MonALISA

http://monalisa.grid.iu.edu:8080/display
Current Activities

• OU Condor Pool being used for DØ SAMGrid MonteCarlo jobs and Bio/Chem/Material Science computations

• Reported to MonALISA Repository as DØ/DOSAR Virtual Organization (VO) Jobs
Future Plans

- Expand Condor Pool Usage
- Continue using it for DØ SAMGrid production
- Also use it for Data Processing and Physics Analysis
- Try to improve ATLAS code to run on non-shared file systems
- Educate local users about OSG interface
- Then teach them to submit to other OSG resources