LU Status

Out Of Nowhere...

D0SAR@OU. 2003/09/26  Joel Snow, Langston U.
LU Status

- Farm born mid-June
- Desk top configuration
- >500K events processed
LU Cluster

- At farm initiation
  - 95% CPU power in 4 machines, each Dual P4X 2.2GHz, 1GB RAM, 120GB disk, 100Mbs ethernet
  - University: 3 T1 lines (4.5Mbs)
- Debian GNU/Linux 3.0 distribution
- Luhep sam station
LU Cluster Upgrades

• Beef up 4 workhorses
  – Add 1GB RAM, 160 GB disk, 1000Mbs ethernet
  – Total/machine: 2GB RAM, 280GB disk
• Add gigabit switches
• University to 100Mbs connectivity
• 2 new machines
  – Dual P2 200MHz, 256MB RAM, 4GB disk, 100Mbs
  – P4 3.06GHz, 1GB RAM, 120GB disk, 1000Mbs
LU Cluster Presently

- 7.3GFlops, 96% in 5 machines
- 1.3TB disk space
- Kernel mix: 2.4.18, 2.4.20, 2.4.21
- 1000Mbs internal, 100Mbs external
LU Farm Status

• Gathering broken!
  – Working great with sam v4_2_0 and bbftp
  – Upgrade to sam v5_0 breaks it

• sam_gridftp installed, which installs globus 2.0

• Certificates obtained
  – DOEgrid user & host
  – Fermi sam service
  – Globus user & host (bye bye)
LU Farm Agenda

- Fix gathering
- Upgrade to McFarm 10.03
- Install and activate DØ SAM grid components
- Train undergraduate for operation and maintenance
- Garner more hardware

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