WLCG GridKa+T2s Workshop

Site Report

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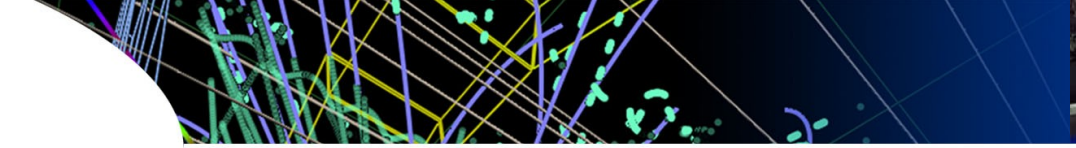
Worldwide LHC Computing Grid
Distributed Production Environment for Physics data Processing

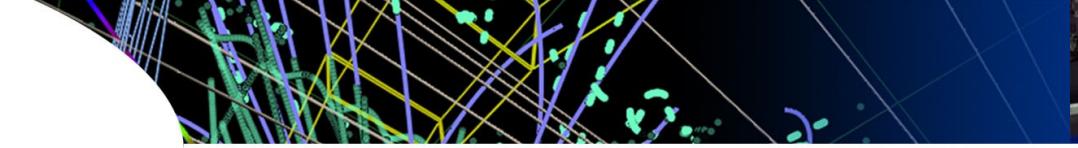


Services

- Grid services offered by Wuppertal
  - CE (lcg), SE (dCache)
  - LFC
  - RB, WMS
  - UI
- VOs supported
  - OPS, DTEAM
  - DZERO
  - ATLAS
  - DECH, GHEP

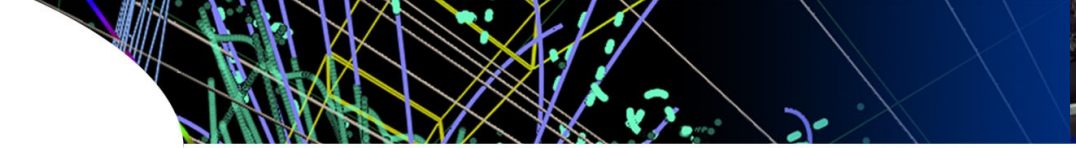
Site Status (hardware)

- Current Hardware
  - Service nodes (AMD Athlon, Intel P IV)
  - WNs: Dual-AMD Opteron (1.8 GHz)
    (500 CPUs, shared, ca. 100 CPUs for ATLAS)
  - Storage: currently 1 TB (dCache)
    extendable to 10-15 TB on demand
  - Network: outside connection 155 Mbit
    upgradable to 633 Mbit

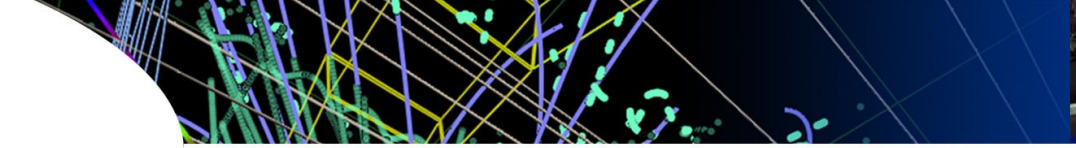

Outlook (hardware)

- Funding agency provided money for hardware
  - in the framework of D-GRID
  - one time (for the moment)
  - on short notice, procurement in progress
- New hardware
  - 80-100 Opteron CPU cores
  - ca. 30 TB storage
  - large part will be made available to ATLAS

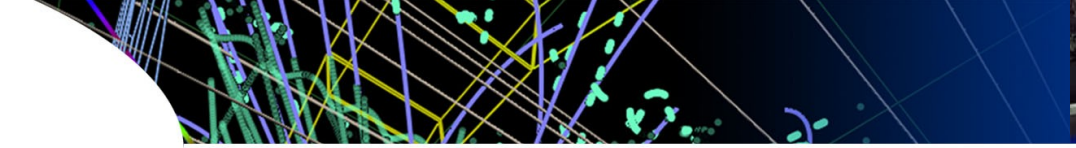

Status (software)

- OS: CentOS 3.6, extended by SLC3 packages
  - dual-arch (mixed 64bit/32bit operations)
- Middleware: gLite 3
- Problems with experiment software installation (ATLAS)
  - solution finding still in progress
  - installation success seems to be imminent
- Participation to date in SC4
  - no contribution due to ATLAS SW installation issues
- Participation in remainder of 2006
  - as soon as SW installation succeeds



Outlook (software)

- OS/gLite
  - prepared for upgrade to SLC4/CentOS4
  - waiting for full SLC4 and 64bit (AMD) support in gLite
- Experiment (ATLAS)
  - hope for full dual-arch compatibility (esp. CMT)
  - expect full 64bit port in future versions



Personpower

- User Support (0.5 FTE)
- Mass Production (1 FTE)
- Experiment Software (0.5 FTE)
- Middleware Development (2 FTE, D-Grid)