Tier 2 in Freiburg

- acta et agenda -

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Tier 1-Tier 2 Workshop
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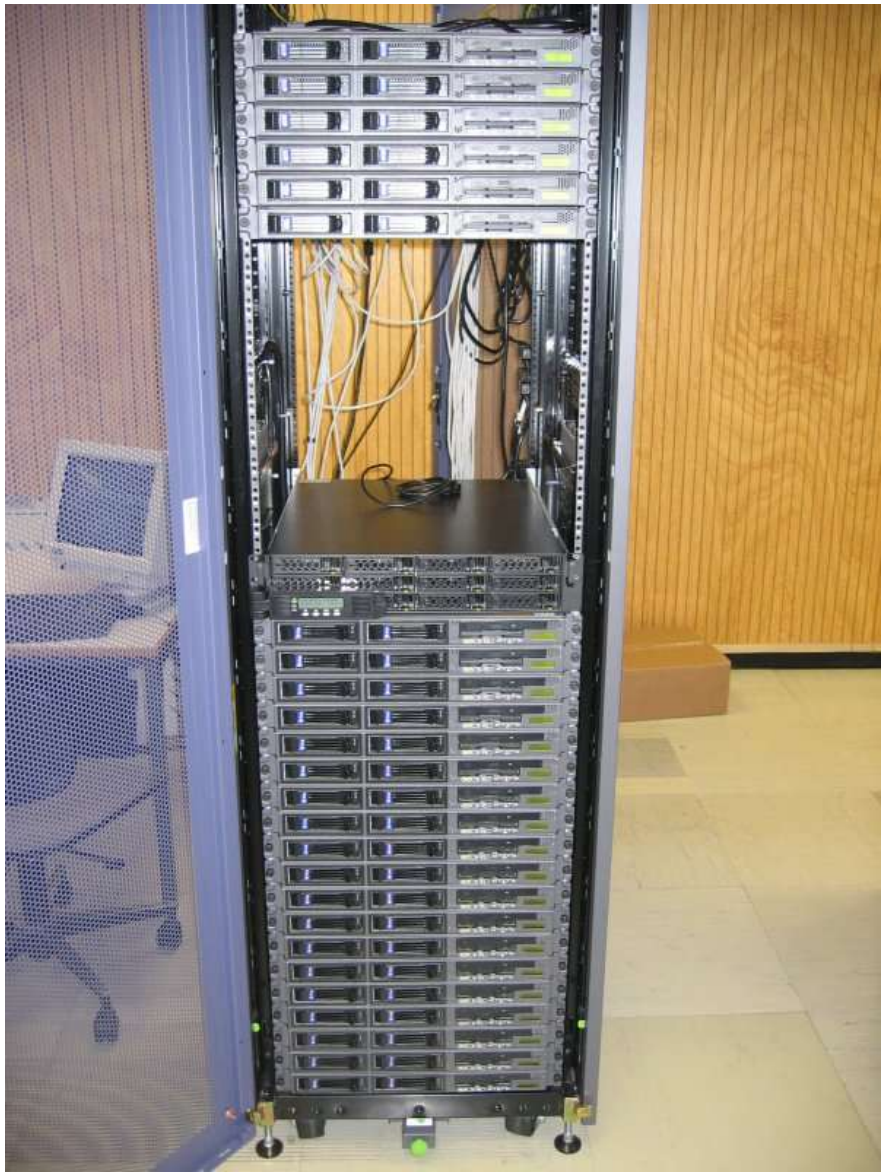
Hardware



Currently available hardware:

25 SunFire V20z with
dual 2.2 GHz Opteron CPUs

3.5 TB (net) RAID system

Running Setup

- All machines running Scientific Linux CERN 3.0.5
- Quattor based OS installation
- LCG 2.6.0 middleware
- (For the time being) `yaim` based LCG installation
- LCG services: CE, dCache based SE, UI, MON, VOBOX, 12 dual CPU WNs
- Currently supported VOs: atlas, ilc, ghep, dteam
- At present only known to DESY BDII
- Continued with installation of BDII and RB (not yet completed)

Next Steps

- Installation of VOMS, LFC, PX
- Host new VOs for computational neuro science, micro system engineering, quantum chemistry, computer science (data mining), applied mathematics (adaptive FEM), ... (several interested groups at U Freiburg and beyond – Black Forest Grid initiative)
- Setup monitoring system
- Official site registration
- Possibly integration of existing TSM system into dCache setup

Further Plans

- Once all services are running, thorough test of Freiburg site by users from all supported communities.
- Participation in ATLAS computing commissioning
- As soon as we are confident that local setup is operating well under realistic load, we are interested in testing the interplay between GridKA and Freiburg as foreseen in the ATLAS computing model
- Federation with DESY tier 2 under discussion
- Hardware extension

Extension Roadmap

- Spring 2006:
  130 kSI2k, 25 TB disk space
- Spring 2007:
  200 kSI2k, 55 TB disk space (funding still uncertain)
- Spring 2008:
  450 kSI2k, 180 TB disk space (funding still uncertain)

+ additional contributions from non-HEP community

Summary

- Fast and smooth installation of hard- and software (including middleware)
- LCG services needed for externally hosted VOs (like e. g. atlas, ilc, ...) are up and running
- Extending LCG setup to host new VOs for non-HEP community
- Significant hardware extensions around the corner