

# DPM issues @ NIKHEF

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- DPM setup:
  - DPM SE
  - 4 DPM disk servers
  - MySQL database on DB server
  - 6 dedicated pools, 1 generic
  - ~20 TB disk space
- It works for us!
  - Some problems and wishes
  - Good documentation, updated
  - DPM development team helpful!

- Need ACLs on pools
  - Atlas used 100% of its pool, continued filling Generic pool
  - Complication: dynamic info provider fails for DPM 1.5.x
  - ACLs to allow/forbid access to pool?
  - Quota?
- Need >1 group per user
  - VOMS role SGM or PRD: no access to pool
- Performance...
- Loss of connection to DB
  - Reconnect fails

- Simple operations take much time
  - Few minutes to store 1 MB file
  - SFT “supertest” frequently failing on time out of 600 s
  - Result of intensive usage?
- Replicating data from Generic pool to Atlas pool:
  - ~20 GB/day effectively using modified dpm-drain
  - Done as “Atlas” user

- Flexible dpm-drain
  - Selection of what to replicate (gid, timestamp,...)
  - Running as root, higher priority than regular users
  - Better performance
- Logging
  - Configurable level of detail
  - Not easy to trace operations through system

- RHEL-3 compatible i386
- RHEL-4 compatible i386
- RHEL-4 compatible x86\_64