

SC meeting - RAL

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# CC-IN2P3 Status

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**CC-IN2P3**

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# Network status

- 1 Gb/s link to Renater (french research and academic network)
  - Renater backbone: 2.5 Gb/s
  - Renater link to GEANT: 10 Gb/s
- Shared with other experiments (mainly Babar SLAC-CCIN2P3 transfers)

# Network evolution

- Between July and September:
  - 1 Gb/s link to Renater (shared with other experiments and Tier-2s)
  - 10 Gb/s link to CERN (through a Renater dark fiber between Lyon and CERN)

# Mass Storage overview

- HPSS as HSM, RFIO as front-end (local access)
- Remote access through SRB, BBFTP, GridFTP
- Strong customization by experiment (RFIO servers, classes of services)
- Migration to HPSS v5.1 in the next following weeks

# dCache SRM for HPSS

- In tests for the last 3 months (interface with HPSS is a script based on BNL's)
- Pros: customizable pool attraction scheme, gridftp load-balancing, asynchronous migration
- Cons: not easy to install, impossible to debug
- Tests status
  - HPSS configuration OK
  - Migration script OK

# Plans for July challenge

- Further dCache tests
  - Sustained transfers
  - Cache cleaning (1-GB files)
  - HPSS breakdown simulation
  - Tape only COS (modify HPSS configuration)
  - CERN-Lyon SRM transfers expected 02/2005
- Hardware infrastructure
  - 2 pool nodes with 2TB disk each (1-day buffer)
  - 9940B cartridges (# of drives to be defined)
- A lot to do ...