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) (typically up to 300Mb/s)

Data transfer cluster

- For SC2 transfers: 2 dual opteron PCs (IBM xSeries 325), with 256 GB (each) in a Fibre Channel storage system (IBM FAStT 900)
- For SC3 transfers: 2 dual Xeon Pcs (IBM xSeries 345), connected to 2 TB in Fibre Channel disk arrays (IBM FAStT 100) (will write to our mass storage system: HPSS)

Software for SC2

- Scientific Linux 3.0.3
- SL3 Kernel: 2.4.21-20
- Globus from LCG (VDT1.1.14rh7gcc3-4.lcg1)
- HPSS-GridFTP (CASTOR-GridFTP patched for HPSS access with the RFIO API)
  - But the HPSS "part" will not be used

SC2 milestones

- Hardware and software are ready
- Before week 9: 2 or 3 days sustained CERN-CC disk-disk transfers
- Weeks 9-10 (or 12-13) : sustained CERN-CC disk-disk transfers (100MB/s)

SRM

- SRM-dCache (1.2.2-7-2 so far) currently tested on the SC3 cluster
  - HPSS configuration is not ready yet
- Admin node (dCache core and SRM)
  - RH7.3 (2.4.20-30.7.legacysmp kernel)
  - May migrate to SL3
- Pool nodes (dCache pool and GridFTP)
  - SL 3.0.3 (2.4.21-20.EL.XFSsmp kernel)
- First CERN-Lyon SRM transfer expected week 17