



# Projet LCG-France – Coordination technique T2-T3

## Compte-rendu de Réunion

27 octobre 2006 – 14h00-15h00

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### Présents :

- Jean-Michel Barbet [JMB] – T2 : Subatech
- Chris Bee [CB] – T3 : CPPM
- Jean-Claude Chevalayre [JCC] – T2 : LPC Clermont
- Frédérique Chollet [FC] – Coord. Technique T2-T3
- Sabine Elles [SE] – LAPP
- Eric Fede [EF] – LAPP
- Fabio Hernandez – CCIN2P3
- Stéphane Jézéquel [SJ] – LAPP - ATLAS
- Michel Jouvin [MJ] – T2 : GRIF
- Christine Leroy [CL] – DAPNIA
- Pierrick Micout [PM] – DAPNIA
- Thierry Mouthuy [TM] – T3: CPPM
- Ghita Rahal [GR] – CCIN2P3
- I.Ueda [IU] – T2: Tokyo

### Excusés :

**Lieu :** Visio – Téléconférence

*Numéro à appeler :*

*IP : 193.48.95.69*

*TEL : 04 26 68 73 00*

*Le titre de la conférence est "LCG-France T2T3 (27 octobre)" et son identifiant numérique (pour la connexion téléphonique) est '10900'. Ne pas oublier de composer '#' après l'identifiant. Le mot de passe à 4 chiffres (PIN) sera communiqué par e-mail sur la liste de diffusion LCGFR-TECH.*

**Président :** FC

**Secrétaire :** MJ

**Agenda :** <http://lappagenda.in2p3.fr/cdsagenda/fullAgenda.php?ida=a06152>

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### Résumé des actions à réaliser / affaires à suivre :

- *Follow-up of network asymetry problem for Saclay and Tokyo : (FH) Contact CCIN2P3 experts and see if new tests could be planned between Lyon and Tokyo with dcache running on Solaris.*
- *Investigate limitation in transfer rates toward all the T2s*

**Début de réunion :** 11h00



## 1. Follow up of last minutes

Last minutes are available :

<http://lappagenda.in2p3.fr/cdsagenda/askArchive.php?base=agenda&categ=a06152&id=a06152s1t0/minutes>

Thanks to JCC !

Please check the list of attendees !

## 2. ATLAS report (S.Jézéquel)

- Monitoring

Gathering of monitoring information in one central page for all resources. A script written to get the exact space available for a VO and compare with BDII.

See [http://lcg.in2p3.fr/wiki/index.php/Atlas#Resources\\_monitoring](http://lcg.in2p3.fr/wiki/index.php/Atlas#Resources_monitoring)

Goal : provide a comprehensive view to people on shift

Looking for advice on using better tools

Discussion with SAM people

- DDM and SC4

Testing of new DDM tools for T0-T1 transfers : reached only 600 MB/s (goal was 800)

First time transfers in // with other VOs : may be some tuning required on T0-T1 channel

DDM modifications/improvements in // with transfersAtlas

T0-T1 ok : no file lost

- Site Functional transfer tests

SFTs : managed by Atlas users, instead of DDM managers. The goal of this test is to check that data produced can be moved between sites. It is not a performance measurement yet.

See : <http://lcg2.in2p3.fr/wiki/index.php/Atlas:Functionnal-test-lyon-oct06>

Almost ok for T1-T2 (pb with LAL solved, still a pb with LPNHE)

T1-T2 : problem occurring when // transfers to several sites.

FTS pb to get the transfer lock file. Should be fixed in next version of FTS.

Also missing a parameter to limit the total number of transfer for a set of sites (channel clouds, should be implemented in the future).

dCache ls -l problem with file  $\geq$  3 GB

New FTS server will be installed at Lyon soon.

Any remark concerning creation of \*-T2 channels ? CMS has asked for it. ATLAS is thinking of it.

[MJ]Pb with LAL solved. Several problems, including a misconfiguration resulting from gLite migration 3 months ago (Atlas had no longer any access to its dedicated pool)

[FH] CC is trying to collect all monitoring information on the Wiki to get an easy access to a global view



[MJ ]1 channel per T2 site created. Is it possible to have a channel per SE in sites with several SEs like GRIF ?

### 3. Report from HEPiX

The HEPiX forum unifies IT system support engineers from the High Energy Physics (HEP). Meetings are organized regularly. Last HEPiX meeting organized in Jefferson Lab. October 9-13, 2006

See event site : <http://conferences.jlab.org/hepix/>

and program page

<https://indico.fnal.gov/conferenceDisplay.py?confId=384>

Benchmark Woodcrest in GridKa site report : Manfred Alef's talk

See also Benchmark updates from CERN : Helge Meinhard's talk

Note also :

Testing the UK Tier 2 Data Transfer and Storage Infrastructure by Chris Brew (*CCLRC - RAL*)

HEPiX <https://www.hepix.org/> and IHEPCCC <http://www.ihepccc.org/index.html>

Coordinated effort on HEP Benchmarks and File systems mentioned in Randy Sobie's Talk

### 4. DELL Meeting on Nov. 15<sup>th</sup> in Lyon

more interested by HW than services. Final Agenda will be sent on the list

### 5. Review of Action items

- Follow-up of network asymmetry pb with Tokyo (test with server running Solaris)  
Preliminary tests have been made by Laurent Caillat with no significant improvements with Solaris shown. SL4 better. Pb from Lyon to Tokyo. Only preliminary results. Report will be sent to Ueda soon.

- Investigate transfer rates towards all T2s and follow the network bandwidth requirements. The idea behind is to get test results showing the use of the actual bandwidth before organizing any meeting with Renater NREN.



- Test with Subatech (Alice T2) : [FC, JMB] very first tries than go back to network test with L. Caillat
- Pb seen with LAL and LPNHE during ATLAS functional exercise: solved with LAL, situation with LPNHE to be checked
- Plans for new FTS tests under dteam : perf. tests : no progress made
- Contact with Alice, LHCb, CMS experiments  
Alice info (JM.Barbet)  
Alice planning T1-T2 transfers, still focused on T0-T1

## 6. Next meeting

Next meeting on Friday Nov. 24th, 14h.

- DPM
- Monitoring tools
- FTS configuration and channels (D. Bouvet ?)

**Fin de réunion : 15h00**