



DIRAC testbed

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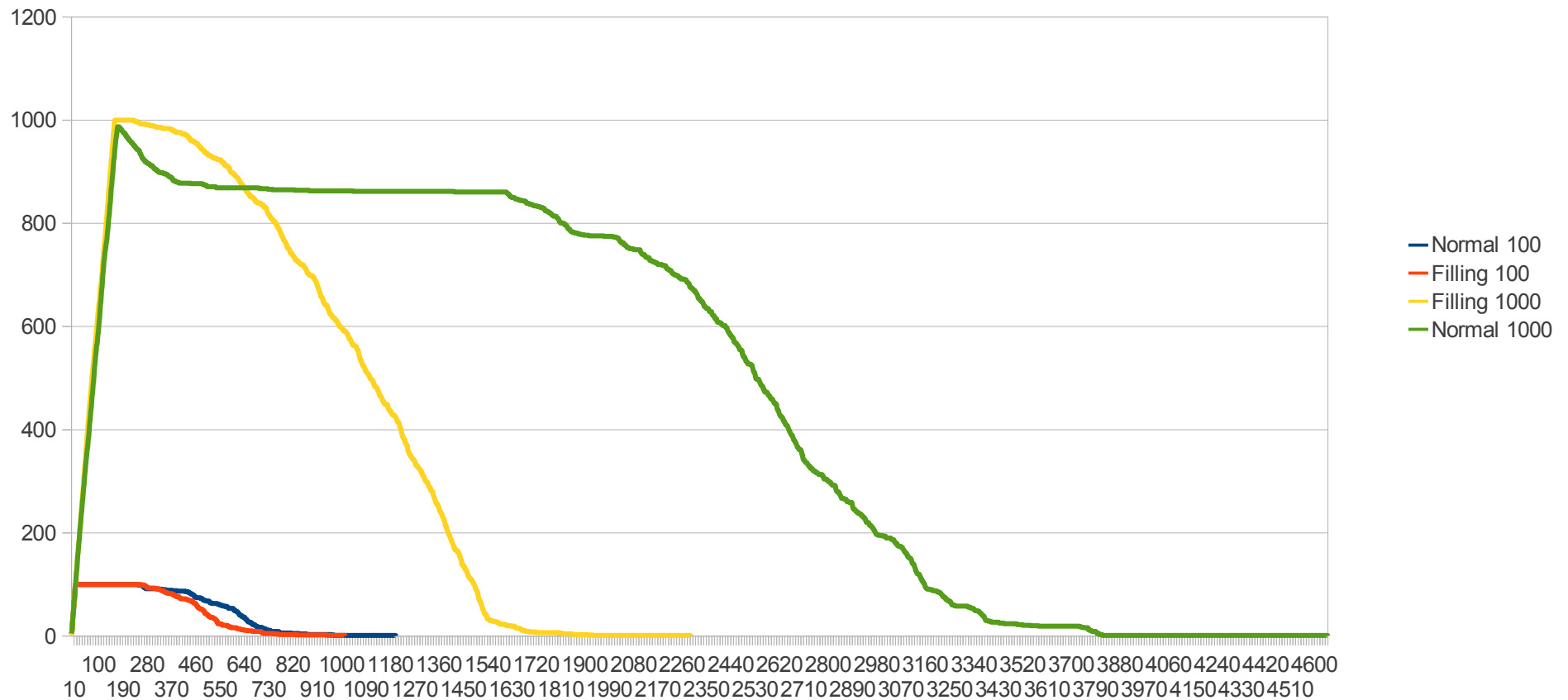


Fibonacci test



fibonacci test

INFN-T1



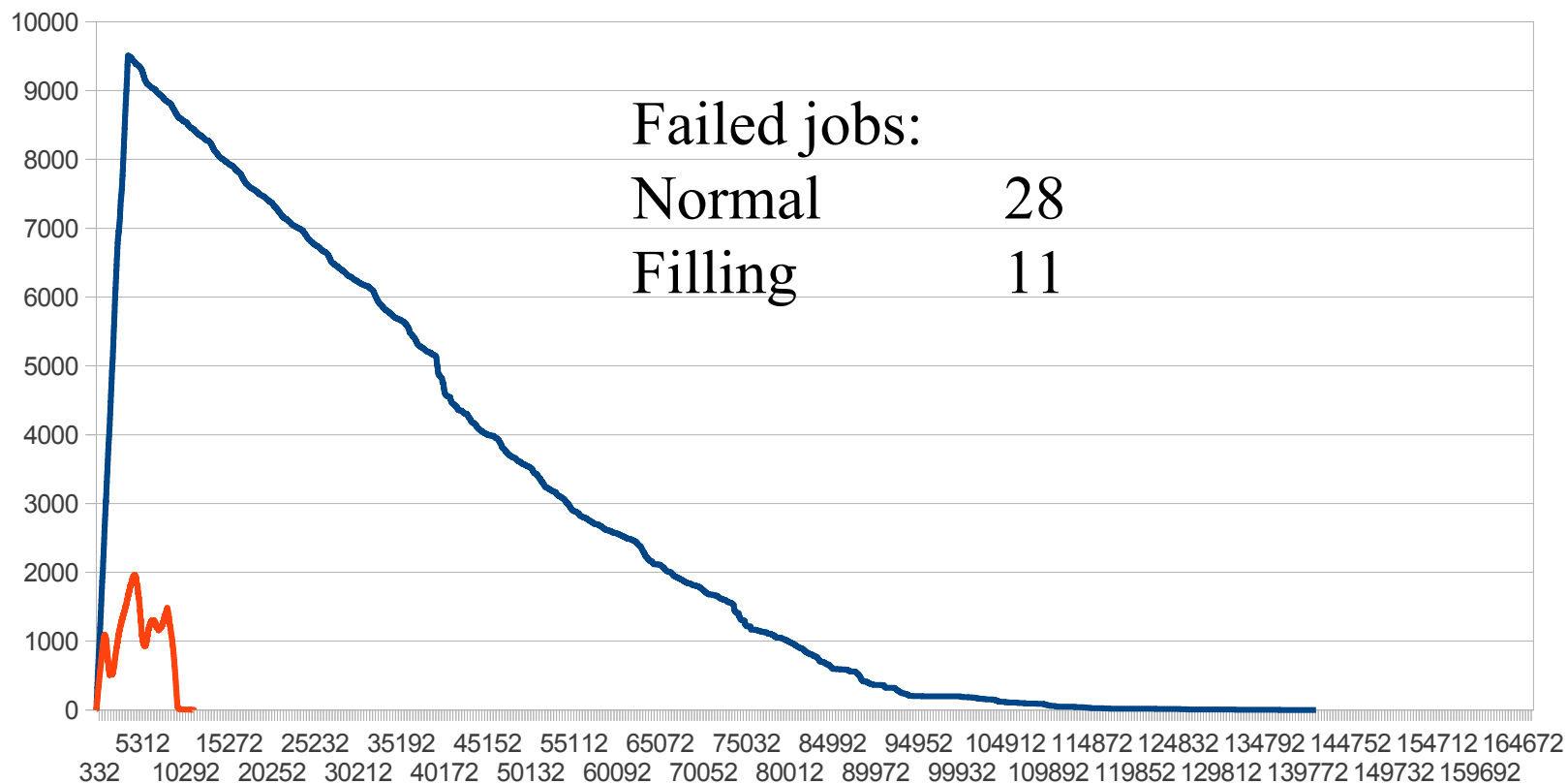


Fibonacci test



10K job submission @ ANY SITE

fibonacci test





ToDo

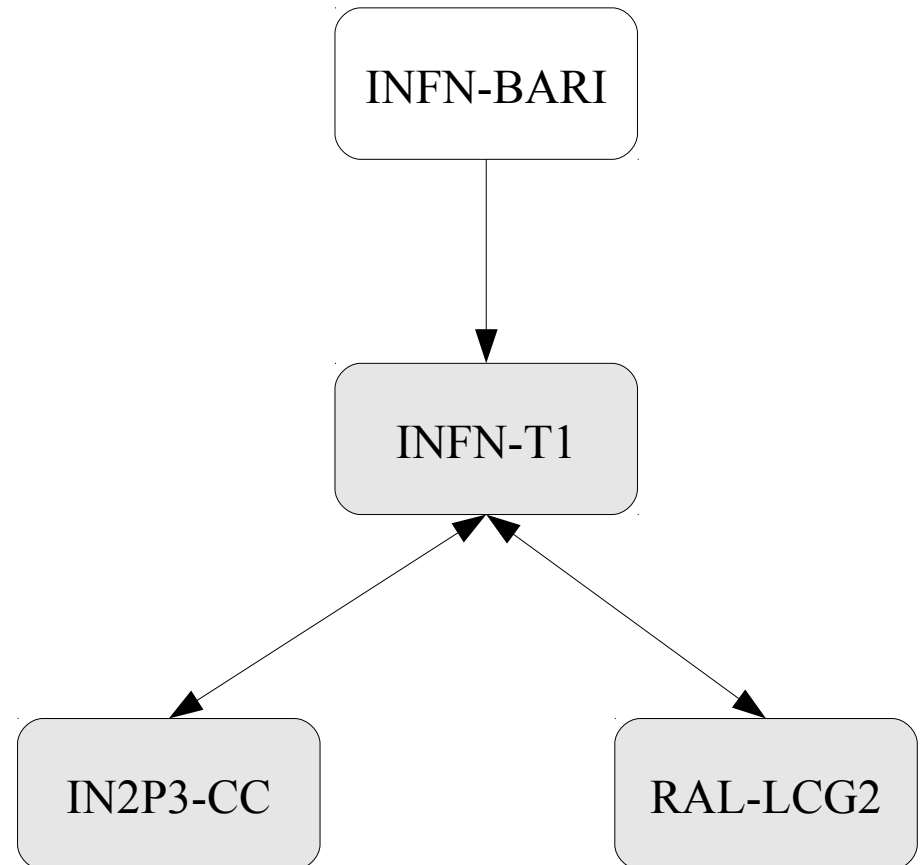


Mapping FTS enabled channels



4 SE involved
5 channel enabled

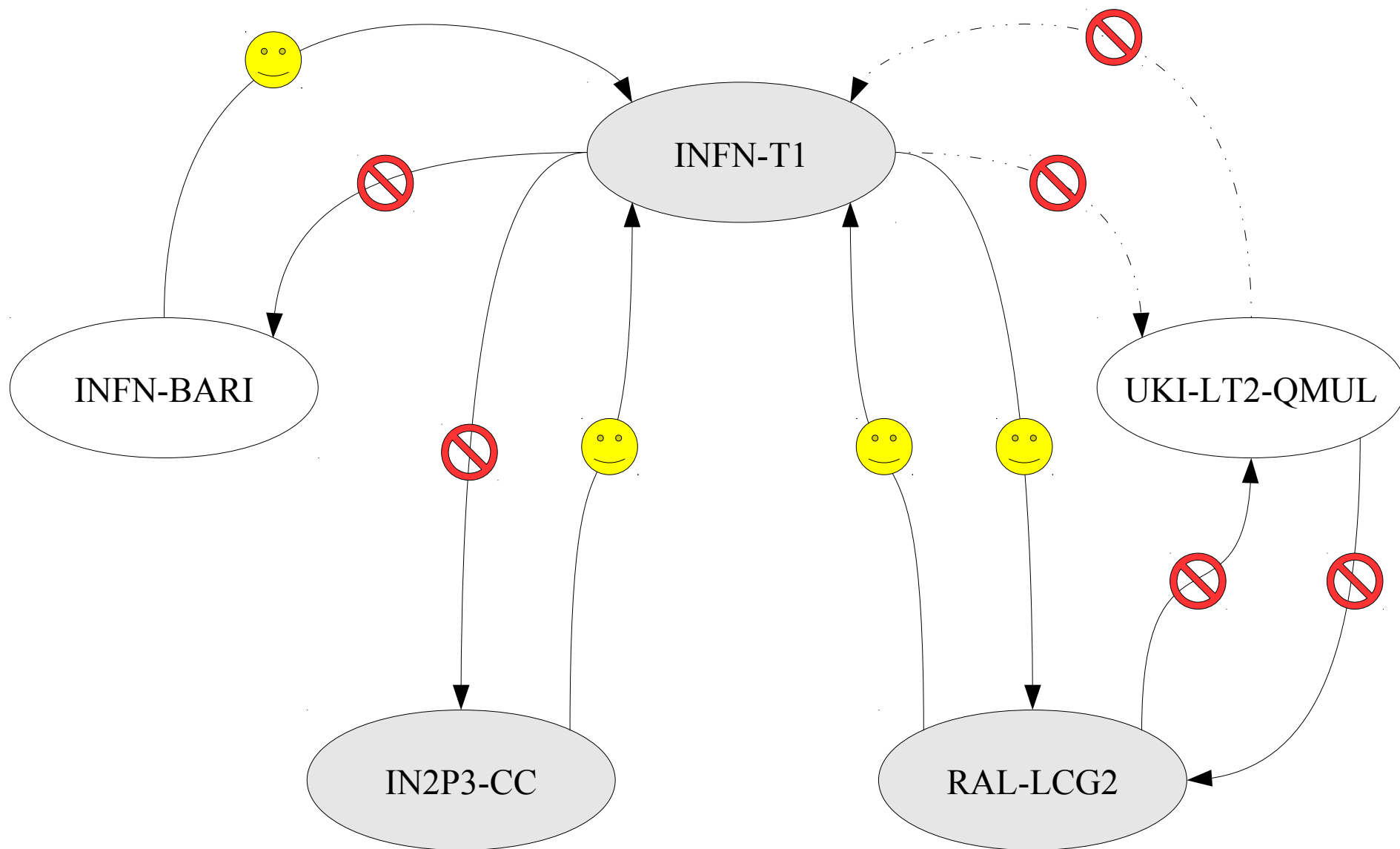
gridmon maps 28 SE



How to get info:

- 1) `lcg-infosites --vo superbvo.org fts`
- 2) `glite-transfer-channel-list -s <fts_server>`
- 3) `glite-transfer-channel-list -s <fts_server> <channel>`

Mapping FTS enabled channels





ToDo



INFN-T1 ↔ UKI-LT2-QMUL

Contact CNAF to create CNAF-UKILT2QMUL channel

Contact CNAF to create UKILT2QMUL-CNAF channel

INFN-T1 ↔ INFN-BARI

Enable superbvo.org on CNAF-BARI channel

Ral-LCG2 ↔ UKI-LT2-QMUL

Enable superbvo.org on UKILT2QMUL-RALLCG2 channel

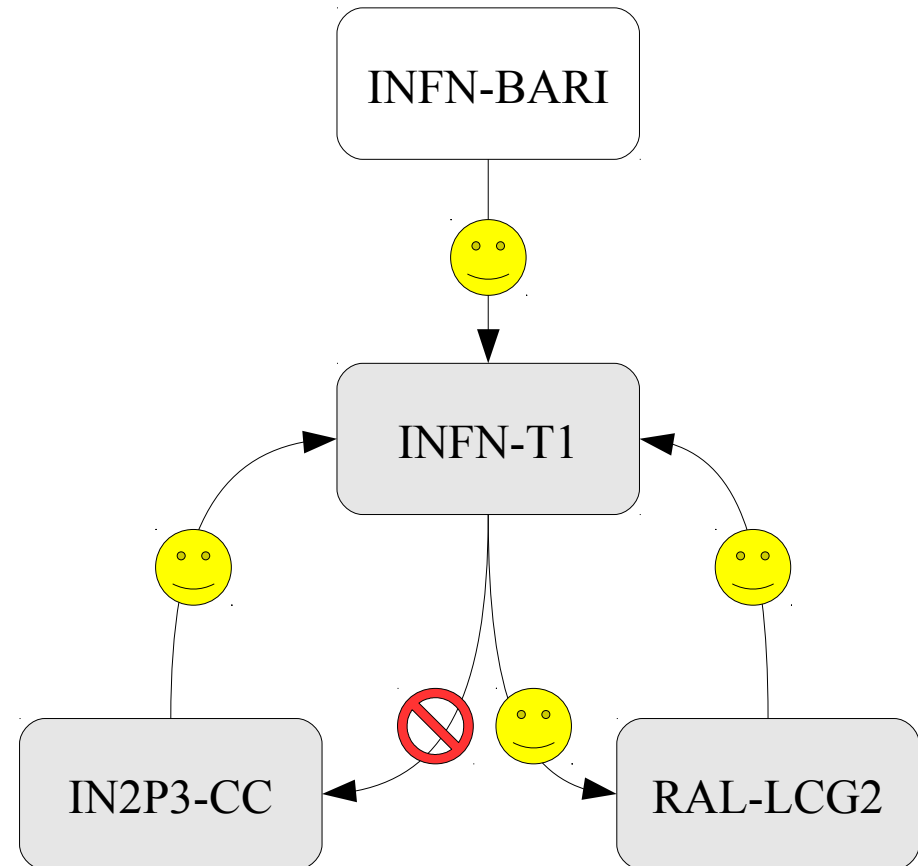
Enable superbvo.org on RALLCG2-UKILT2QMUL channel

INFN-T1 → IN2P3-CC

Fix fts server bug due to bad agent name (thanks to Alessandro Cavalli)

Mapping FTS testing channels

INFN-T1 and IN2P3-CC seems to
have the same problem



<https://fts.cr.cnaif.infn.it:8443/glite-data-transfer-fts/services/FileTransfer>

<https://celegftsprod.in2p3.fr:8443/glite-data-transfer-fts/services/FileTransfer>

<https://lcgfts.gridpp.rl.ac.uk:8443/glite-data-transfer-fts/services/FileTransfer>



gridtest-05.ba.infn.it



Installed from scratch new DIRAC release v6r2

Separated setup

Clean configuration



gridtest-05.ba.infn.it



<http://blog.bottomlessinc.com/2010/03/innodb-engine-disabled-when-specifying-a-buffer-pool-size-too-high/>

```
/opt/dirac/versions/v6r2-pre11_1330108860/mysql/etc/my.cnf
```

```
#innodb_buffer_pool_size = 1G  
innodb_buffer_pool_size = 512M
```

DIRAC server need more than 1GB for MySQL



Mapping FTS problem due to fts agent?



INFN-T1		https://lemon.cr.cnaf.infn.it/ftsmonitor/ftsagent.php			
fts01-sc.cr.cnaf.infn.it	vo:superbvo.org	Stopped	16/06/2011 03:04:58 +01:00	3.4.7	
fts01-sc.cr.cnaf.infn.it	vo:superbvo_org	Started	07/02/2012 00:25:38 +01:00	3.4.7	
IN2P3-CC		https://cctools2.in2p3.fr/stockage/fts/monitoring/ftsagent.php			
cclcgftsli06	vo:superbvo.org	Stopped	20/09/11 14:02:54	3.4.7	
cclcgftsli06	vo:superbvo_org	Started	07/02/12 00:14:43	3.4.7	
cclcgftsli06	vo:superbvoorg	Stopped	17/05/11 13:22:12	3.4.7	
RAL-LCG2		http://lcgwww.gridpp.rl.ac.uk/ftsmonitor/ftsagent.php			
lcgfts01.gridpp.rl.ac.uk	vo:ops	Started	06/02/2012 23:21:25 +00:00	3.4.7	
lcgfts01.gridpp.rl.ac.uk	vo:superbvo.org	Started	06/02/2012 23:21:27 +00:00	3.4.7	
lcgfts01.gridpp.rl.ac.uk	vo:t2k.org	Started	06/02/2012 23:21:53 +00:00	3.4.7	



FTS



Agent name in FTS server must be exactly
“superbvo.org”

Contact IN2P3-CC to fix problem

Thanks to Alessandro Cavalli
Script to fix problem
Work in progress to fix in Quattor



test improvements



done: 10k simple job simultaneously running
ToDo: 100k simple job simultaneously running

done: 1k job (input data 1GB)
ToDo: 10k job (input data 5GB)

done: testing job submitted via WMS
ToDo: testing job submitted via Direct Submission (CREAM
feature)
ToDo: measure performance gain (time and efficiency)

done: MonteCarlo production test (1k job)
ToDo: MonteCarlo production test (10k job)



Data Management



ToDo: testing FTS capabilities

ToDo:testing data integrity check

ToDo: testing data recovery



near Timeline



1. (within Jan) mass data transfer Dirac capability: understand the way of manage it, via FTS wrapper or embedded. Understand the Dirac road map, will they move in porting FTS3 features/backend?
 1. transfer test given a 2010_September_311 dataset (prod/2010_September/FastSim/KplusNuNu) from CNAF to IN2P3-CC
2. (within Jan) solve/clarify direct submission issues: delay in output sandbox transfer at pilot job completion, status retrieval. In general what are the next direct submission Dirac steps to model new cream features.
3. (within Feb) precisely mapping Dirac testbeds and jobs to the official production jobs: severus job wrapper functionality, error sensors, monitoring.
4. **(within Feb) Dirac evaluation report**