

FTS testing for Service Challenge 3

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FTS testing for SC3

The script

- Generate N filenames
- lcg-cr of a file with those N names (on a SRM SE + registration in the CERN LFC)
- Definition of the FTS Server
- List of destination SRM endpoints
- Loop (# of jobs)
 - Configure a job
 - Submit a job
 - Check its status



FTS testing for SC3

- Available endpoints
 - CC-IN2P3, CNAF, Grid.Ka, (Sinica)
 - GSI, Torino
 - Testing with jobs configured as:
 - 25 files (about 700 MB)
 - Random choice of the destination
 - Latest results:
 - 285 jobs submitted, 242 jobs completed in 98286 seconds

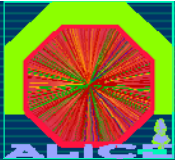


FTS testing for SC3

- Error sources
 - No errors from lcg-cr
 - From CC-IN2P3 & CNAF

- 'reason' => 'Transfer failed. ERROR the server sent an error response: 530 530 User Name for GSI Identity/C=IT/O=INFN/OU=Personal Certificate'
 - 5 errors, Lyon - **FIXED**

- 'reason' => 'Failed on SRM put: Failed To Get File Status. Error in srm__getRequestStatus: SOAP-ENV:Client - No such file or directory',
 - 10 errors, CNAF



FTS testing for SC3

□ Error sources

- 'reason' => 'Transfer failed. ERROR a system call failed (Connection timed out)',
 - 6 errors, Lyon
- 'reason' => 'Failed on SRM put: Failed SRM put call. Error is CastorStagerInterface.c:2380 Permission denied (errno=0, serrno=13)',
 - 1 error, CNAF - **FIXED**
- 'reason' => 'Transfer failed. ERROR the server sent an error response: 553 553 disksrv-4.cnaf.infn.it:/infortrend1_sd1/z2/stage/testfile.PC.1127271871.10.824591: Permission denied (error 13 on disksrv-4.cnaf.infn.it).',
 - 3 errors, CNAF



FTS testing for SC3

- ❑ FTS for T0 - T2, T1 - T1, T2 - T2 transfers
 - My understanding:
 - ❑ Suppose you want to transfer from CERN to Torino

 - ❑ Create your myproxy with `myproxy.cern.ch`
 - ❑ Define as FTS server the CERN one
 - ❑ Transfer to CNAF and store on CNAF SE
 - ❑ Create your myproxy with `myproxy.cnaf.infn.it`
 - ❑ Define as FTS server the CNAF one
 - ❑ Transfer to Torino and store on Torino SE

 - ❑ **I hope I misunderstood**



FTS testing for SC3

- However, I tried part 2 of the previous sequence
 - From a CERN machine, transfer a file from CNAF to Torino
 - Excluding a SRM problem in Torino, it does work
 - I will try the same from Grid.Ka to GSI

- Further testing?