

ATLAS for ESCAPE WP2

Mimic Data injection of public data and their access

1) 28 October 2020

a) rucio version : 1.23.6

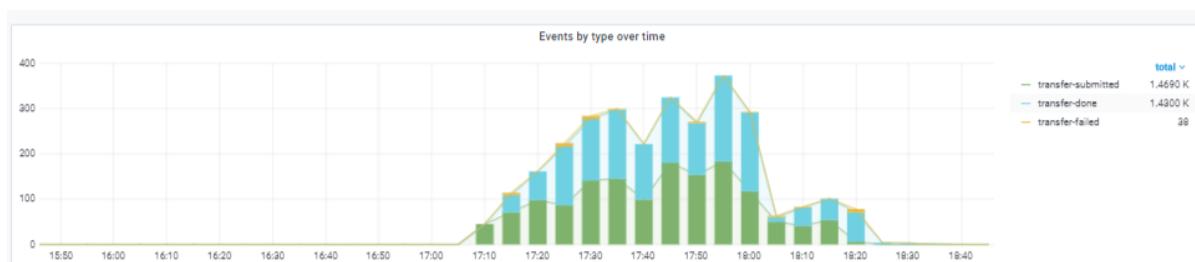
b) Data Injection :

- Based on singularity image running rucio client commands (as simple as possible)
- Blocker : Wrong pattern for write through root protocol (Updated in CRIC)
- **WARNING message :**
`/usr/lib/python2.7/site-packages/paramiko/transport.py:33: CryptographyDeprecationWarning: Python 2 is no longer supported by the Python core team. Support for it is now deprecated in cryptography, and will be removed in a future release.`
`from cryptography.hazmat.backends import import default_backend`
- Loop of Data injection implemented for ALPAMED-DPM and INFN-NA-DPM (rucio upload) : (lifetime 99999 seconds) :
 - 9 input files from H-> yy exercise (total 2 GB) recycled at each loop
 - Dataset name :
ATLAS_LAPP_JEZEQUEL:cron_del_1603815743
 - Max data consolidation with QoS (lifetime 9999 seconds)
 - QoS=SAFE : 2 replicas
 - QoS=CHEAP-ANALYSIS : 5 replicas
- Not yet installed in cron (after french vacations)
- Few failures (why not trigger 2 or 3 attempts by FTS if necessary?)

Transfer Matrix: transfer-done/transfer-submitted

src	dst	DESY-DCACHE	SARA-DCACHE	PIC-DCACHE	EULAKE-1	LAPP-DCACHE	IN2P3-CC-DCACHE	CNAF-STORM	ALPAMED-DPM	GSI-ROOT	INFN-NA-DPM	LAPP-WEBDAV
DESY-DCACHE		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	100%	100%	NO DATA	NO DATA
SARA-DCACHE		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	67%	100%	NO DATA	NO DATA
PIC-DCACHE		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
EULAKE-1		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
LAPP-DCACHE		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	100%	NO DATA	NO DATA
IN2P3-CC-DCACHE		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	150%	100%	NO DATA	NO DATA	NO DATA
CNAF-STORM		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
ALPAMED-DPM		100%	100%	NO DATA	NO DATA	100%	100%	100%	NO DATA	96%	100%	NO DATA
GSI-ROOT		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	75%	NO DATA	NO DATA	NO DATA
INFN-NA-DPM		100%	100%	NO DATA	NO DATA	NO DATA	100%	NO DATA	81%	97%	NO DATA	NO DATA
LAPP-WEBDAV		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA

- Reached 0.5 Hz with 1 thread



c) Data access

- Download files from datalake on /tmp
 - No indication of localisation of machine triggering download (random file)
 - No request on QoS of input file
 - No data access performance measured
- Run 'root' macro to make di-photon invariant mass

