State of Storage

CdG 14-JUN-2019

EOS@CNAF

Test instance installation on the way

- HW: 4 server + 4 JBOD x 60 HDD 8TB = 1.9PB raw (0.9 PB usable)
- Network (server side): 2x10Gbps x server => 10 GB/s theoretical limit (~10 MB/s/TB) but part of this BW will be used for replication traffic
- candidates/volunteers (experiment) wanted

Non-LHC Experimets

- PADME over quota (expired)
- XENON dir structure in archive - <u>example of how NOT to do</u>

```
/storage/gpfs_archive/xenon/rucio        (elements in one level)      (total)
|--run-id                                 27667                        27667
     |-- XX                               20 - 140                     ~2.5M
          |-- YY                          2 - 3                        ~5M
               |-- file                   1                            ~10M
```

- ATLAS example (twice as much, 20 times faster)

```
/storage/gpfs_atlas/atlas/atlasdatadisk/rucio
|--run-id                                 121                          121
     |-- XX                               256                          ~30K
          |-- YY                          120-180                      ~5M
               |-- file                   1-4                          ~20M
```