

RAL Tape system

Setup

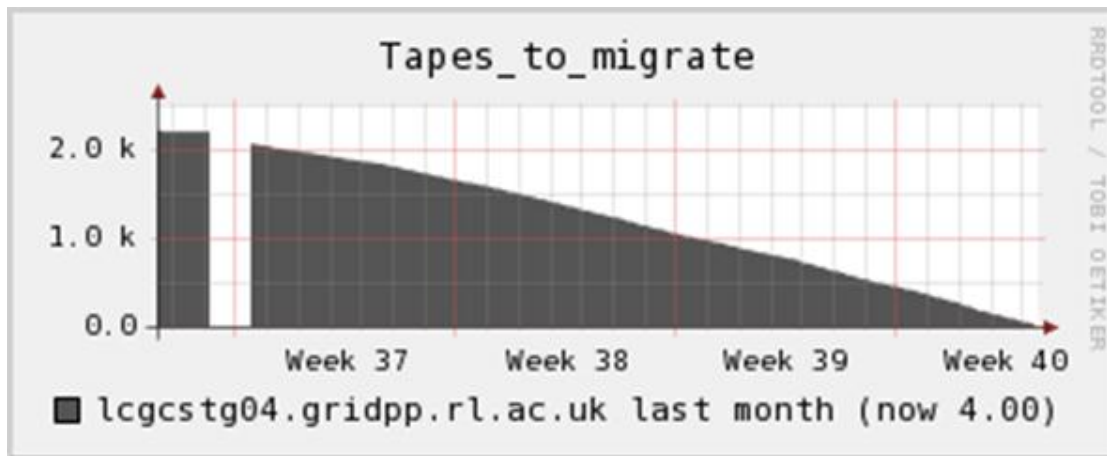
- SL8500 tape library, 10K slots for T1
 - 18 T10KA
 - 9 T10KB
 - 14 T10KC
- SL8500 Tape library, 10K slots for facilities
 - 3 9940B
 - 16 T10KA
 - 10 T10KB
 - 10 T10KC

Repack

- Single head node running all repack “bits”
- 4 DEL R510 12 bay disk servers as disk cache
 - 900GB 10K SAS drive, 23GB memory
 - Raid6
- Part of 10Gb network
- Tape drives dedicated as required
- Running 2.1.12-10

Repack - LHCb

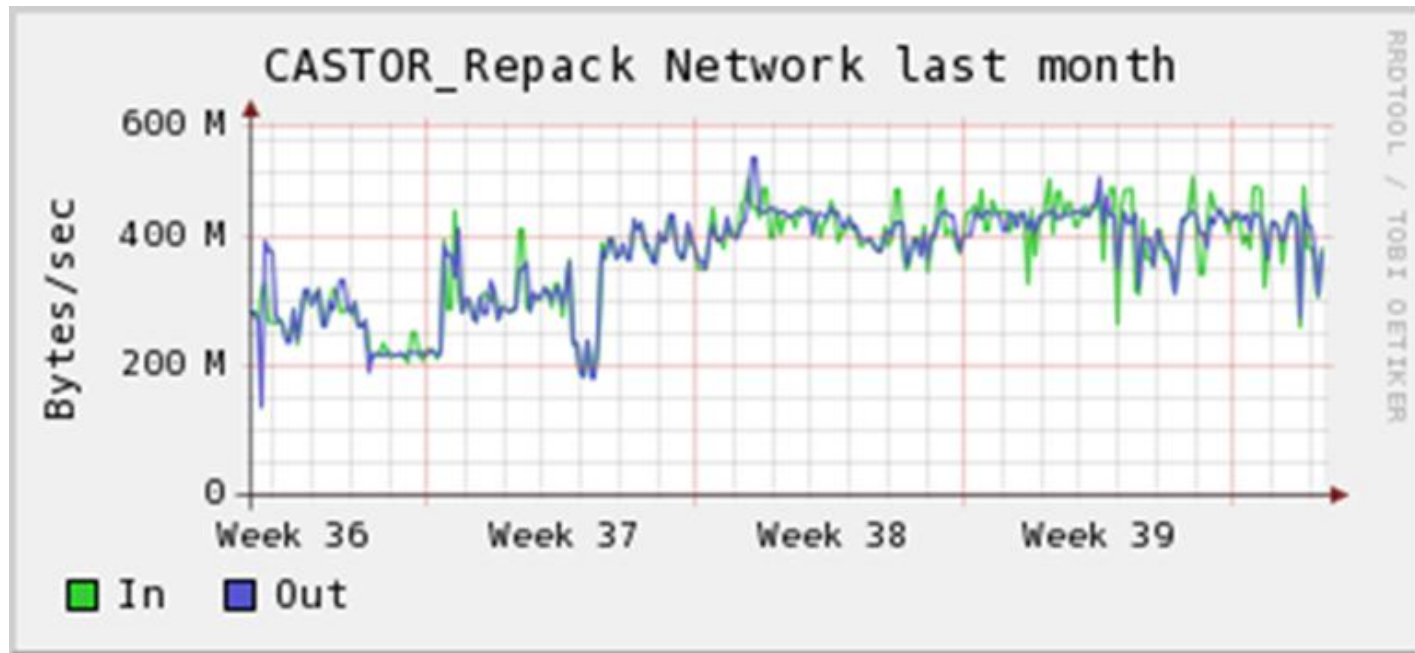
- Used to migrate all of LHCb's data
 - 2334 A tapes
 - ~1PB data
- Took about 1 month



- Only one tape found with errors, 4 files lost

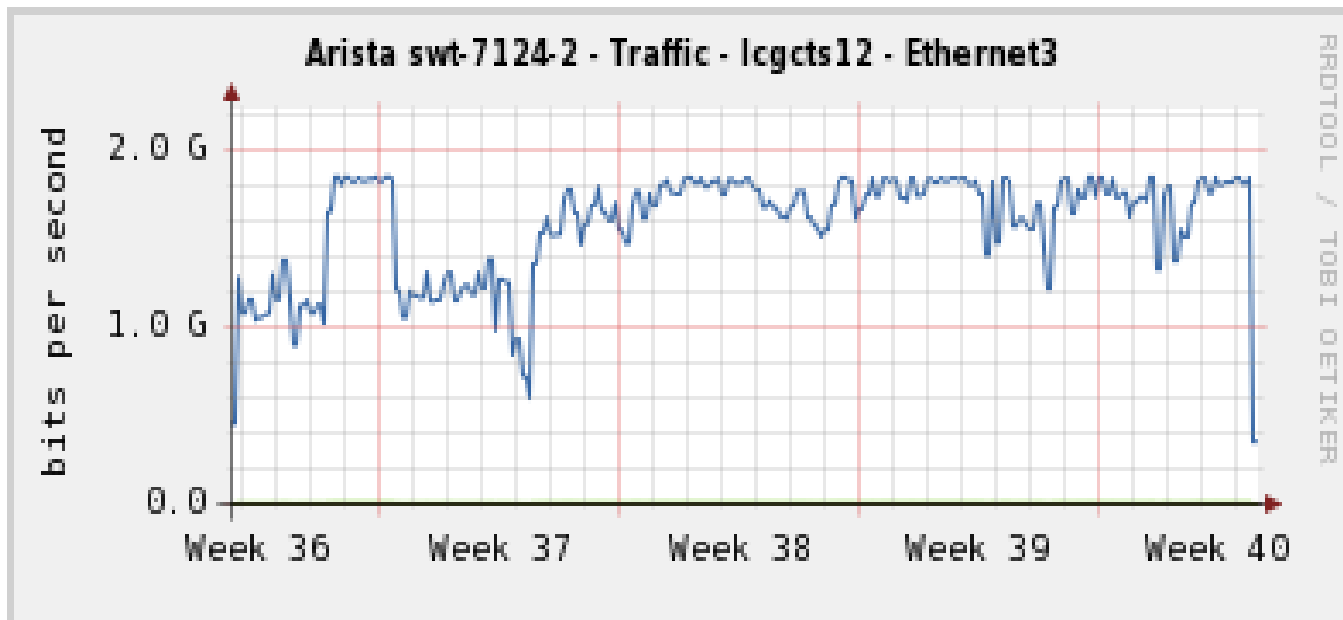
Repack - performance

- Graph shows network for the 4 disk servers during repacking



Repack - Performance

- This shows performance for write to one of the C tape drives



Other

- Repack
 - Will our setup scale to cope with D drives?
- Support for D drives
- Any CDK development now Oracle have “new” version.