

User Wishlist

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ADC tools

- Easy way to have the data that one needs for an analysis closest where one needs it next. (ie automatically bring it to my institute's local disk) (simple Rucio Storage Element)
 - Since grid jobs run all over the world it can be painful to use client tools (dq2-get, rucio-get) fetch the data from some sites
- Uniform manner to launch jobs on either local resources or the grid (see Torre's proposal of psub)
- Easy way to discover the data that one needs for his/her analysis. (some thing better than the googling out of date twiki pages)
- Easy way to know that all events have been processed once and only once (did not miss any nor have duplicate events in the output)
- Trivial tools to list and fetch data. One should not need to use rucio-ls & fax-ls or rucio-get & xrdcp, but ddm-ls and ddm-get instead. - Hide the protocol zoo.

ADC tools (2)

- Very efficient automatic retries. Minimize site issues so all parts of a task run – 95% is not good enough because the getting last 5% typically is a huge time sink
- Fast processing of all the data. (1 years worth of DxAOD or a more derived product) in a few days
- Avoid having ones output stuck at unreachable grid sites because they are down for extended periods of time. (even a 1 day outage can cause real problems during the approval process)
- Enough disk quota to not avoid worrying about automatic file deletion except infrequently
 - Tools to help one know when the file life time is about to expire. - want to avoid running quick jobs just to touch files and automatically extend file lifetime
- Rucio Cache
 - Especially since Torre thinks its a waste of time.

ADC Tools(3)

- Need to be able to work efficiently whether at CERN or one's home institute
- Easy data access (read/write) from almost anywhere (ie DropBox like simplicity)
 - Many of us travel between home institutes and CERN so we need to be productive no matter where we might be.
- Clear and consistent documentation
- Idiot proof and well tested tools.
 - Make things “Doug” proof – I often find the bugs in tools or procedures w/o too much effort
- Something to drink
 - (Pick your poison)