ATLAS IPv6 Status

Alastair Dewhurst

ATLAS Progress

- Aim since I joined IPv6 taskforce has been to get Panda to submit jobs to IPv6 [only] WN.

  - Not happened by target date October 2014.

  - Dual stack pilot factory appears to work*.

- ATLAS have been focused on getting their systems ready for run 2.

  - Prodsys2 and Rucio migration happened at the end of 2014.

  - Still lots of urgent work in build up to Run 2 start.

What can we achieve?

- Will continue to push but progress is slow unless it is an 'emergency' e.g. resources will be lost.

- After Easter, production systems should be frozen allow some effort to be put towards development of IPv6 stuff.

    - Imperial T2 seems best placed to test Panda submission.

- ATLAS are trying to simply the protocols they use (see next slide)

ATLAS protocol actions

1. Short Term (?) : Eliminate the need of space tokens (rely on paths) for accounting.
2. Short Term: Move to gridFTP only for 3rd party transfer (requires 1)
3. Short Term: Move to xrootd/http for uploads and downloads (requires 1)
4. Short/Medium Term: commission http/WebDAV to production quality for deletions
5. Medium Term: Decommission SRM from non tape sites (**requires all the above**)

6. Short Term: Move to xrootd (or file) all the directIO
7. Short Term: Decommission other directIO protocols (**requires 6**)

8. Medium/Long Term: Commission xrootd and WebDAV for 3rd party transfers
9. Medium/Long Term: Decommission gridFTP (**requires 8**)
10. Long Term: Consolidate Davix and evaluate Davix and xrootd for directIO
11. Long Term: Keep both webDAV and xrootd or decommission one