

dCache report Additional LQCD items:

1) Obvious support for file lengths > 2GB via the NFS mounts. Required going to NFS3.

Chimera has NFS3 (large files) and NFS4 (ACLs) features. No firm schedule for deployment... just about to start serious testing on our WH test stand. We do tentatively plan to have Chimera ready to deploy for some large FNAL system (FNDCA) in about that time frame. US-CMS-T1 will deploy only after Chimera proves itself in a production system, understandably being conservative unless performance issues pushes them to be otherwise.

2) Support for the infiniband specific STD protocol (AF_STD) for the "address family" parameter. This allows for the use of connection-oriented underpinnings with the infiniband fabric.

3) Need to expand their cache. Right now they have many pools/mover. They also need the per-pool, per-protocol limits to avoid collapse. They have to divided the limits by the number of pools to avoid collapse.

The next production release (June) will have per-protocol (new part), per-pool limits. Unlikely that this will be completely bullet-proof and performant in software alone.

4) There is some notion of using tape for mid-term storage. -- sort of for 6 months