



Interactive Storage Volume Requirements

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Interactive Computing Storage Volumes

- Currently there are several volumes mounted on interactive nodes:
 - NAS home area via NFSv3 - very limited quota and mounted on all nodes - tight quota
 - NAS storage via NFSv3 - “BlueArc” - /dune/data, /dune/data2, /dune/app - quotas
 - dCache pnfs mounts via NFSv4 and chimera on the server side - wild west
 - /pnfs/dune/scratch
 - /pnfs/dune/persistent
 - /pnfs/dune/resilient
 - /pnfs/dune/tape_backed
 - /pnfs/dune/archive
- filling up of persistent and app volumes, along with misuse of resilient, has become overburdensome problem to manage
- written up a requirements document and sent draft v0.0a to SCD

DUNE Interactive Storage Element Requirements Document

- Had discussions with the SCD Deputy Division Head and the recommendation was to put together a requirements document for the interactive nodes
- Developing here: https://docs.google.com/document/d/1GeB1xy7wsM09GuS-S0iMDiCnZHVM_dbOOrmlOMi6FQo/edit?usp=sharing
- thinking about management of personal and group quotas
- ability to limit write capabilities to different volumes
- full POSIX access for at least some of the volume (mostly analysis and software development)
- what else?