

# Xrootd status and ongoing/future work

## (1 week status report)

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# Outline

1 Summary of done work

2 Ongoing/future work

# Summary of my work

- presented summary of **SE** related DataCarousel CHEP talks
  - now I am reading SRM documents
  - want to read also other papers which were as references at CHEP
- testing of **DNS round robin** was shown as unstable in xrootd
  - xrootd has a problem to build B64 tree structure with DNS RR feature
  - client side has needs to be also re-implemented
- have found a bug with mysterious connections on redirector node
  - bug was reported and I don't care anymore

# Continuing ...

- set up the automatic **purge** policy
  - minimum space size for select a node: 1KB
  - treshold that is activating the purge policy: 1GB
- xrootd system under bigger load **didn't respond** in specific time
  - time was extended on 3s
  - this is interim solution which implies big **waste** of CPU cycles
- write-up **SUMS documentation** for users

# Ongoing/future work

- **ACTION ITEM:** preparing script reflecting load reported to xrootd
  - 5 curves reflecting average load, mem, ipio, pageio, cpu
  - additional curve showing load as it is computed to xrootd
- new HPSS IO rate plot comparing number of threads devoted for staging and IO
  - need to correct FCSpread command
- reading of SRM documentation, other talks, namespace
- bytes/sec measurement of **NFS/XROOTD** compare to running jobs