

xrootd performance improvement

Monday 26 March 2007 17:30 (30 minutes)

The aspects related to the performance of the data transfer with an xrootd/Scalla file server cluster has been under constant focus since a while.

This presentation gives an overview of the new techniques that are exploited in the xrootd client side to enhance its performance in the situations where the network latency is high. Since the xrootd/Scalla system is not aimed only at moving files, but gives a way to directly access remote information where it resides, the main effort has been given to techniques able to

enhance the data transfer throughput and overlap the access latency and chunk transfer time with the processing phases of the application which needs the data.

In this talk we shortly describe how multistreamed and asynchronous data transfer techniques can be used by data analysis applications or frameworks in a very transparent way.

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