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USCMS Xrootd Service

This page covers the user and sysadmin aspects of the USCMS Xrootd Service.

The USCMS Xrootd Service is an exploration into new data access techniques targeted toward end users. It has the following goals:

1. **Ease-of-use:** One should be able to use the service directly from ROOT. The intricacies of picking a site, and mapping the CMS file name to the site's file name should be hidden.
2. **Reliability:** If a site or SE fails, the application should not fail. Rather, it should gracefully fall-over to another data source.
3. **Efficient:** CMSSW should be able to efficiently run analysis, even over international data streams.
4. **Global:** A CMS user should be able to get at any CMS file through the Xrootd service.

We believe that these goals will greatly reduce the difficulty of data access for physicists on the small or medium scale.

Note that we specifically did not put scalability here - we already have an existing infrastructure that scales just fine. We have no intents on replacing current CMS data access methods.

Topics:

1. Joining the USCMS Xrootd Service (sysadmins only)
2. Using the USCMS Xrootd Service
3. How to allow CRAB to utilize the service directly

This topic: Main > HdfsXrootd

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