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EOS

This is a new xrootd based storage system at CERN.

Datasets Present

The T2_CH_CERN site in PhEDEx controls the data available.

Proposed Migration Plan

Pool	Current Size	Proposed Size	Proposed Date	Prerequisites	LFN Area	#files	Status
CMSCAF	1.7PB	2PB	June 20-27	Switch to xrootd access (28th March), PhEDEx node T2_CH_CERN	/store/	992948	Done
CMSCAFUSER [*]	210TB	300TB	September	Data only under /store/caf/, CRAB stageout	/store/caf/	810051	Done
GRIDHOME [*]	50TB	100TB	September	Users need to update their CRAB config, redirect rule needed	/store/user/	13158	Done
CMSCAFT2 [*]	80TB	300TB	September	Redirect rule can be removed, CRAB stageout	/store/user/	22919	Done
DEFAULT	220TB	600TB	September	Dataset Popularity Service?	/store/	562143	
CMST3 [*]	420TB	600TB [1]	September	Users need to update their CRAB config, data only under /store/cmst3/, CRAB stageout	/store/cmst3/	1430045	Done
T0EXPRESS [*]	200TB	200TB	November	Tier-0 supports stage-out to xrootd	/store/express/	1762192	Done
T0TEMP	150TB	150TB	November	Tier-0 supports stage-out to xrootd	/store/t0temp/	373100	Done
T0STREAMER [2]	500TB	500TB	?	P5 transfer supports stage-out to xrootd	/store/t0streamer/	9774998	

[*] These pools store only copy of data, perhaps replication factor should be 3, or a backup should be made

[1] 50TB of this is controlled by PhEDEx with group "local"

[2] Not sure we want to move this pool as it should be phased out at some point and the use folded into t0temp space

We would still keep a small (100TB) DEFAULT pool on CASTOR till end of August. After that we can remove the redirect from EOS to CASTOR. Users would need to follow specific instructions to retrieve files from tape. Open question: what about /castor/cern.ch/user files?

Current space reservations

This is dumped daily from the EOS quota system.

Failed to include URL http://cern.ch/gowdy/EOS_zh.txt Not Found

-- StephenJGowdy - 15-Dec-2010

This topic: CMSPublic > EOS

Topic revision: r28 - 2012-02-29 - StephenJGowdy



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