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# CALICE data is being transferred into the ilcdirac catalogue.

we'll update the status on this page.

## a little explanation.

- SE = Storage Element (where the physical file is stored)
- LFN=Logical File Name (the name in the catalogue, which points to the physical file(s)/replica(s) )
- PFN=Physical File Name (name of replica on a SE)

## a "good" case:

- LFN: /grid/calice/tb-cern/native/cernAhcal2012/Runs\_04112012.tgz
- PFN:  
srm://dcache-se-desy.desy.de/pnfs/desy.de/calice/tb-cern/native/cernAhcal2012/Runs\_04112012.tgz

the PFN is just the LFN (with some SE-dependent prefix).

in this case, we can just create a catalogue entry in dirac.

## a "bad" case:

- LFN:  
/grid/calice/tb-desy-siw-2012/data\_skiroc\_HVok/sk\_beam\_sc31\_120\_3003\_19h\_noW\_3GeV.raw
- PFN:  
srm://polgrid4.in2p3.fr/dpm/in2p3.fr/home/calice/generated/2012-04-12/file9ab4a8cf-e837-40b9-b84e-d61d28

PFN bears no relation to the LFN: this type of file must physically re-copied using dirac tools.

## progress

Plan to migrate the following directories:

### **/grid/calice/tb-cern**

#### **this directory considered complete**

- 157k files
- 136k good, at DESY
- 11k bad filenames

LFN with no replicas found:

- /calice/tb-cern/raw/conv\_v0402/Run350346.001.slcio
- /calice/tb-cern/raw/conv\_v0402/log/theconv\_write.steer.330004.tar.gz
- /calice/tb-cern/raw/conv\_v0402/log\_dbup\_oct07/theconv\_write.steer.330062.tar.gz
- /calice/tb-cern/raw/conv\_v0402/log\_dbup\_oct07/theconv\_write.steer.300719.tar.gz
- /calice/tb-cern/rec/rec\_v0406/Run331536\_rec.000.slcio
- /calice/tb-cern/rec/rec\_v0407pre/Run330794\_rec.000.slcio
- /calice/tb-cern/rec/rec\_v0407track/Run330294\_rec.000.slcio
- /calice/tb-cern/data\_quality/prod\_005/reco/Reco350316.000.slcio

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- /calice/tb-cern/data\_quality/prod\_005/reco/Reco350357.000.slcio
- /calice/tb-cern/data\_quality/prod\_005/reco/Reco350364.000.slcio
- /calice/tb-cern/data\_quality/prod\_001/Reco350145\_log.tar.gz

126 files with zero file size not imported:

- /calice/tb-cern/rec/rec\_v0407/Run330232\_rec.000.slcio
- and the remainder with filenames like /calice/tb-cern/data\_quality/prod\_005/reco/Reco3\*.000.slcio

### **/grid/calice/gain**

**Eldwan**

- 67k files
- 44k at DESY
- 18k at in2p3
- 4k at \*.ac.uk
- remainder at kek, ciemat

these are all BAD. Are they needed?

### **/grid/calice/ic\_ahcal**

**Eldwan**

155 files, all bad

/calice/ic\_ahcal directory does not exist on the DESY SE, and is troublesome to create. Can we copy these somewhere else?

### **/grid/calice/reco\_job**

**This directory is considered finished**

29 files (all bad),

copied to IN2P3 SE, except the following, which have some problems (files not found on SE...)

- /calice/reco\_job/lfm\_root40402libs.tgz\_junk
- /calice/reco\_job/lfm\_root40402libs.tgz

### **/grid/calice/SDHCAL**

**Gerald is working on it. running out of space.**

- 137k files
- 129k at lyon
- all BAD

### **/grid/calice/software**

**This directory is considered finished**

all "bad"

**all copied** (to SE IN2P3-USER)

### **/grid/calice/status**

**This directory is considered finished**

copied to IN2P3 SE

### **/grid/calice/statusFnal08**

**This directory is considered finished**

copied to IN2P3 SE

### **/grid/calice/statusFnal08\_SCECAL**

**This directory is considered finished**

copied to IN2P3 SE

### **/grid/calice/statusFnal09**

**This directory is considered finished**

copied to IN2P3 SE

### **/grid/calice/tb-desy**

**This directory is considered finished**

almost all files transferred

#### **exceptions:**

entries in LFC without any replicas on a SE:

- /calice/tb-desy/maps/native/490000/Run490003.004.bin
- /calice/tb-desy/maps/native/490000/Run490067.001.bin
- /calice/tb-desy/maps/native/470000/Run470011.003.bin
- /calice/tb-desy/maps/native/450000/Run450011.000.bin
- /calice/tb-desy/maps/native/450000/Run450033.000.bin
- /calice/tb-desy/rec/rec\_v0403-pre4/log/therec.steer.230097.tar.gz
- /calice/tb-desy/native/desyAhcal2016/December2016/raw/run000007.raw
- /calice/tb-desy/native/dat/Run240211.000.bin
- /calice/tb-desy/native/dat/Run200070.000.bin
- /calice/tb-desy/native/dat/Run200071.001.bin
- /calice/tb-desy/native/dat/Run240210.000.bin
- /calice/tb-desy/native/dat/Run200071.000.bin
- /calice/tb-desy/native/dat/Run240046.000.bin
- /calice/tb-desy/native/dat/Run240215.000.bin
- /calice/tb-desy/native/dat/Run240136.000.bin

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91 files under: \* /calice/tb-desy/maps/native/450000 \* /calice/tb-desy/maps/native/470000 which were stored at srm:/dcache01.tier2.hep.manchester.ac.uk/ (this SE seems to have been retired)

the following 28 files no longer reachable under srm:/grid05.lal.in2p3.fr/dpm/lal.in2p3.fr/home/calice/

- /calice/tb-desy/native/desySiEcal-07-2013/run0026/run0026\_sc\_2.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0027/run0027\_sc\_5.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0027/run0027\_by\_dif2.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0008/run0008\_sc\_2.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0008/run0008\_by\_dif1.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0021/run0021\_by\_dif5.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0021/run0021\_by\_dif1.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0021/run0021\_sc\_0.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0004/run0004\_by\_dif6.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0005/run0005\_by\_dif6.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0007/run0007\_sc\_1.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0001/first\_run5\_by\_dif6.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0002/first\_run6\_by\_dif6.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0003/conf\_runCC.xml
- /calice/tb-desy/native/desySiEcal-07-2013/run0022/run0022\_by\_dif5.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0022/run0022\_by\_dif2.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0023/run0023\_sc\_0.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0019/run0019\_by\_dif4.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0032/run0032\_by\_dif3.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0013/run0013\_by\_dif5.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0012/run0012\_by\_dif6.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0011/run0011\_by\_dif5.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0011/run0011\_sc\_3.txt
- /calice/tb-desy/native/desySiEcal-07-2013/run0010/run0010\_by\_dif2.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0017/run0017\_by\_dif5.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0016/run0016\_by\_dif1.raw.root
- /calice/tb-desy/native/desySiEcal-07-2013/run0015/run0015\_by\_dif5.raw
- /calice/tb-desy/native/desySiEcal-07-2013/run0014/run0014\_sc\_5.txt

otherwise, all files are present.

### **/grid/calice/tb-desy-siw-2012**

**This directory is considered finished**

- 7013 files
- 6907 on dcache-se-desy.desy.de
- 106 on polgrid4.in2p3.fr

all files are "badly" stored.

**all reimported** (to the SE "IN2P3-USER"), except

- 1020 zero-size files

### **/grid/calice/tb-fnal**

**This directory is considered finished**

exceptions:

all done, except:

entries in LFC without any replicas on a SE:

- /calice/tb-fnal/raw/conv\_v0402/Run510212.000.slcio
- /calice/tb-fnal/raw/conv\_v0402/Run500818.000.slcio
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520332.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520297.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520273.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520196.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520278.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520326.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520300.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520369.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520280.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520301.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520293.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520257.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520274.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520248.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520311.tar.gz
- /calice/tb-fnal/raw/conv\_v0402/log/theconv\_write.steer.520319.tar.gz

## **/grid/calice/tb-MCProduction**

- all "bad"
- LFC\_contents\_grid\_calice\_tb-MCProduction: contents of tb-MCProduction folder on the LFC
- LFC\_contents\_grid\_calice\_tb-MCProduction\_SUMMARY.txt: contents of tb-MCProduction folder on the LFC (summary)

Too many files to reimport. Probably most are no longer used. If you want to transfer some of these files, please make an explicit request. They will otherwise be deleted.

**no requests received, so these MC files have now been deleted**

# Clean-Up

consider deleting physical files not accessible from ilcdirac, to save storage space. These are (almost always) files with "bad" physical file names.

there is either another replica with a good file name which has been imported into ilcdirac catalogue, or they have been re-copied onto a SE in an ilcdirac-friendly way.

files under /calice/tb-desy/desySiEcal\* , and stored at polgrid and lal SEs:

- delete\_desySiEcal\_polgrid.log: files for deletion
- delete\_desySiEcal\_lal.log: files for deletion

files under /calice/tb-fnal, stored on desy SE:

- delete\_tb-fnal\_desy.log: files to delete on tb-fnal, at desy

files under /calice/tb-cern, stored on LAL and DESY SEs:

- delete\_tb-cern\_lal.log: files to delete from tb-cern
- delete\_tb-cern\_desy.log: files to delete from tb-cern

In addition, we plan to delete all files under tb-MCProduction.

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