
Subject: access CALICE data from DIRAC?
Posted by [jeans](#) on Fri, 22 Nov 2013 09:03:29 GMT
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Dear all,

I would like to run some Marlin reconstruction jobs over CALICE data using the DIRAC framework.

The relevant input files are on the grid, registered in the lcg-lfc. I believe the dirac has its own lfc? Would I need to re-register files in the dirac catalogue? or is there some other way?

Thanks for your suggestions (or corrections),
Daniel.

as an example:

Quote:

```
[jeans]$ lcg-lr lfn:/grid/calice/jeans/tb-fnal/rec/rec_caliceSoft_v04-04/test/data/Run630065_rec.000.slcio  
srm://dcache-se-desy.desy.de/pnfs/desy.de/calice/generated/2011-10-04/file885bf7d6-f911-4169-8124-097379c42c0f
```

when I try to specify this input file to my DIRAC job:

Quote:

```
ma.setInputFile(" LFN:/grid/calice/jeans/tb-fnal/rec/rec_caliceSoft_v04-04/test/data/Run630065_rec.000.slcio ")
```

I get the message

Quote:

```
Failed to find replicas for the following files  
/grid/calice/jeans/tb-fnal/rec/rec_caliceSoft_v04-04/test/data/Run630065_rec.000.slcio  
Pre-submission checks failed for job with message: "Failed to find replicas"
```

Subject: Re: access CALICE data from DIRAC?
Posted by [jeans](#) on Mon, 25 Nov 2013 07:27:58 GMT
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I managed to do this by specifying the SRM explicitly:

Quote:

```
.  
. .  
from ILCDIRAC.Interfaces.API.NewInterface.Applications import GetSRMFile  
srm = GetSRMFile()  
fdict={"file" : " srm://dcache-se-desy.desy.de/pnfs/desy.de/calice/generated/2  
011-10-04/file885bf7d6-f911-4169-8124-097379c42c0f", "site" : "DESY-SRM"}  
srm.setFiles(fdict)  
srm.setDebug(True)  
res = job.append(srm)  
if not res['OK']:  
    print res['Message']  
    exit()  
. . .
```

then later in script:

Quote:

```
ma.setInputFile("file885bf7d6-f911-4169-8124-097379c42c0f")
```

Subject: Re: access CALICE data from DIRAC?
Posted by [sailer](#) on Mon, 25 Nov 2013 10:13:57 GMT
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I wasn't sure how the GetSRMFile works, thank you for trying and figuring it out. I added your example to the ILCDIRAC twiki/documentation
<https://twiki.cern.ch/twiki/bin/view/CLIC/DiracForUsers#GetSRMFile>
