Subject: test of submit script at gridka
Posted by donghee on Fri, 17 Jun 2011 11:26:20 GMT
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Dear panda specially gridka family,

Recently I have got gridka account, of course I want to use it effectively.

Now I'm testing analysis scripts with tdr11 data (psi3770=r202).
In attachment, I put my trial jdl, macro code, bin.sh scripts
and a validation code.
I tried already submitting with 10 subjobs, but I couldn't find output error message in my output directory.

Quote:
[pgdb2.gla.ac.uk:3307] /panda/user/d/dkang/ > masterJob 1168153 -printsite
Jun 17 13:07:35 info Checking the masterjob of 1168153
Jun 17 13:07:36 info The job 1168153 is in status: DONE
It has the following subjobs:
Subjobs in ERROR_V (ikp642.ikp.kfa-juelich.de): 1
Subjobs in ERROR_V (kvit14.KVI.nl): 7
Subjobs in ERROR_V (smigrid02.smi.oeaw.ac.at): 2

In total, there are 10 subjobs

Probably, I made some bug in my submit scripts, or macro code when define the input files and strings etc...
Could you teach me where I care and fix to do correctly.

Thank you in advance,
Donghee

File Attachments

1) submit_gridka_bin.sh, downloaded 711 times
2) submit_gridka.jdl, downloaded 738 times
3) run_his_gridka.C, downloaded 836 times
4) submit_gridka_val.sh, downloaded 718 times

Subject: Re: test of submit script at gridka
Posted by StefanoSpataro on Fri, 17 Jun 2011 11:35:43 GMT
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Hi,
if the jobs are failing, it is not storing the output on the SE.
You can put the output in some folder typing:

registerOutput #jobid

and you can get the #jobid of the subjobs typing:

masterJob 1168153 -printid

Subject: Re: test of submit script at gridka
Posted by donghee on Fri, 17 Jun 2011 12:21:24 GMT
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Thank you stefano,

I can read output error!
So problem is that I have to give input file name separately for each spliting file using jdl and bin.sh

You can simply imagine that if you want to access points.root and pid.root files according produced and given individual name, which are produced by pbarprod, then can prepare all corresponding name or string by means of combining jdl with bin.sh.

I think that I define correct name in my two scripts but I cannot read it.
Quote:
Error in <TFile::TFile>: file /panda/user/p/pbarprod/tdr11/output/sig/run202/10/evt_points_stt_r202_10 .root does not exist
[/QUOTE]

I'm login to gridka as a personal user.
Do you have any other idea?

Best wishes,
Donghee

Subject: Re: test of submit script at gridka
Posted by donghee on Fri, 17 Jun 2011 12:23:54 GMT
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Why allows only 60 subjobs for personal user in gridka?

Subject: Re: test of submit script at gridka
Posted by donghee on Wed, 22 Jun 2011 10:10:33 GMT
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Dear all gridka user,

If I analyze gridka, for instance, the data on
/panda/user/p/pbarprod/tdr11/output/sig/run701/1/...

Can I use data collection list still at analysis level?
Quote:
find -c output-run701 /panda/user/p/pbarprod/tdr11/output/sig/run701/ evt_p*.root

After preparing list,
then in the jdl and bin script one need to indicate which files belong to which submit job. For output I can do that, but the name of input files are differ and at least two input file(points.root and pid.root) are needed in the analysis script.
How machine can handle different name of input file name?

Please teach me how it works?

Best wishes,
Donghee

Subject: Re: test of submit script at gridka
Posted by StefanoSpataro on Wed, 22 Jun 2011 10:26:37 GMT
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Hi,
first of all, gridka is "Grid Computing Centre Karlsruhe"... maybe you mean "grid".
The way could be, in your shell script, to move the filename in something you can use, i.e.:

mv evt_points_*.root evt_points_stt_evt.root

I am using this for my analysis.

Subject: Re: test of submit script at gridka
Posted by donghee on Wed, 22 Jun 2011 11:04:55 GMT
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Hi all,

Definitely, I cannot do such way in gridka (Grid Computing Centre Karlsruhe) in my mind.
Quote:
mv evt_points_*.root evt_points_stt_evt.root

Because points file and pid files belongs to user for "pbarprod".
and I think that I don't have a great privilege or super power.

If I change the name of file, doesn't affect to next other users?
Probably in gridka with Logical File system one can do safely without worring about it. Because

the file is not really change of physical name.
If that is really true... it really strange, but really interesting feature.

Thank you for your teaching!

Donghee

Subject: Re: test of submit script at gridka
Posted by StefanoSpataro on Wed, 22 Jun 2011 11:51:38 GMT
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When youa re analysing a collection, the system is copyng the fiels from the collection into some temp directory, therefore you can modify them as you wish.. the original names will persist on the original place.
However, you can use %alien_counter to propagate such number also itno your analysis macros. If you look at the scripts we are sending you can see how this works... you have onky to use it as input parameter of your analysis macro.
