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Subject: running analysis macros on GRID

Posted by [Dima Melnychuk](#) on Thu, 16 Jun 2011 14:34:29 GMT

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Hi all,

My first question is mainly to Stefano concerning running analysis macros on GRID.

For eta\_c channel produced results are located in  
/panda/user/p/pbarprod/tdr11/output/sig/run201/  
in 500 folders in each for 1000 events.

And for example in folder /2/ there is a output file  
evt\_pid\_stt\_r201\_2.root

And my problem is how to manage those file names to use them as an input in my analysis macro. From the <http://panda-wiki.gsi.de/cgi-bin/view/Computing/TDR11> I understood that Stefano tried to manage it producing collection. But I cannot understand by myself how it helps here. So my question is if there are exists a working example how to manage file names for analysis. Is it done in .jdl file or should it be done in .sh script which runs root macro?

I have a backup solution to run my macro locally but I would like to try to run it on GRID when data will be produced.

And another partially related technical question on which I couldn't find an answer is how to run alien on GSI machine.

I tried to install alien at GSI in my private directory but have the following error:

```
-----
##### Automated AliEn vbox installer
#####
Installing in the user specified directory: /d/panda02/dmelnich/pandagrid/alien
Platform set as Linux: x86_64-unknown-linux-gnu
Waiting 10 seconds. Press 'Ctrl+c' to exit the installation..... Done
Downloading vbox distribution..... Done
Extracting the files.....
.....
.....
.....
.... Done
/d/panda02/dmelnich/pandagrid/alien.v2-18.85/bin/perl: /lib/libc.so.6: version `GLIBC_2.4' not
found (required by /d/panda02/
dmelnich/pandagrid/alien.v2-18.85/bin/perl)
-----
```

But I assume that there is already alien installation at GSI and I should only properly set a path, since by default another application "alien" from /usr/bin/alien is running. Anybody have a

solution how to do it?

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Subject: Re: running analysis macros on GRID

Posted by [Johan Messchendorp](#) on Thu, 16 Jun 2011 14:52:06 GMT

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Hi Dima,

At the moment, better run it locally on your machine. We have still some troubles to move the data around on the grid, so that the active computing nodes can pick up jobs properly.

I will forward your second question to Kilian.... I can already tell you that alien v2.18 cannot be installed there, and one should use alien v2.17 in stead. But I am sure that that is already available...

Johan.

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Subject: Re: running analysis macros on GRID

Posted by [Stefano Spataro](#) on Thu, 16 Jun 2011 14:52:48 GMT

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Hi,

about analysis jdl, as stated on the previous meetings at present it is not possible to run analysis directly on the grid, you have to download the files locally. To run analysis on grid, we have to run again the generation files, and we will prepare default macros once this will be done (so after another freeze out of the code).

About your crash in alien installation, I have tried with a lenny64 machine and everything has run fine. If you are using an etch machine, they are not maintained since several months and they are going to be abandoned, so you should move to lenny. If you are using lenny... then it is time to send a mail to killian...

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Subject: Re: running analysis macros on GRID

Posted by [Johan Messchendorp](#) on Thu, 16 Jun 2011 20:43:23 GMT

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just for the forum records (answer from Kilian)...

How to use alien client at GSI:

```
. .alienv218login
```

```
.....
```

Johan.

Dima Melnychuk wrote on Thu, 16 June 2011 16:34Hi all,

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