
Subject: Re: Problem with submitting jobs on prometheus cluster

Posted by [Florian Uhlig](#) on Mon, 14 Oct 2013 14:07:04 GMT

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Hi Klaus,

this is your fault.

OK, now I will try to give you a meaningful answer to your problem. If you don't specify a working directory GridEngine will execute the job in the default working directory. If I remember correctly this is /tmp.

If you run a Geant3 simulation the file gphys.dat is created in the working directory. If you don't clean up after you finished the simulation the file stays in this working directory. If you end up to run on a machine where this file was created by another user you can't overwrite the file and Geant3 will crash with the error message you have seen.

What I do in my GridEngine macros is to create a workdirectory and run the simulation there.

```
workdir=/tmp/$username/$JOB_ID.$SGE_TASK_ID
mkdir -p $workdir
cd $workdir
```

At the end of the script I remove the working directory after I have moved all output to the final destination.

Ciao

Florian
