

## JobSub - Bug #7404

### fix documentation

12/02/2014 04:23 PM - Dennis Box

<b>Status:</b>	Closed	<b>Start date:</b>	12/02/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Dennis Box	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>First Occurred:</b>		<b>Stakeholders:</b>	
<b>Occurs In:</b>	v0.1.1		

#### Description

INC000000458271 -- assigned to me, I wonder if this is more of a Ken question.....

Hi,

I need to submit my Geant4 simulation running on clusters.  
Geant4 software has been installed in a local machine, Geant4 scripts are in same place also.

Right now, I have two questions.

1). This website is not clear enough for me to run my simulation on a cluster :

[https://cdcvs.fnal.gov/redmine/projects/jobsub/wiki/QuickHowTo\\_Client](https://cdcvs.fnal.gov/redmine/projects/jobsub/wiki/QuickHowTo_Client) .

Let me put my question in this way :

I know how to run my Geant scripts locally, just type this on a command line : `./scriptName parameterFile` .

Please tell me how to transplant my above command to a cluster.

2). Geant4 has developed a MT technology to speed up simulation.

In case the number of threads = 10, if I run it locally, Geant4 can distribute the seeds in different threads independently.

Therefore, the simulated results Of 10 threads are independent also(if not independent, the results of 10 threads would be same, then it's meaningless to run simulation in 10 threads, in 1 thread is enough.).

While, if I run my simulation on a cluster, I don't know how the cluster can distribute the jobs independently as Geant4 does ? Does jobsub\_submit provide an option to distribute the simulation in different threads independently ?

Thanks !

Best,  
Junhui

#### History

**#1 - 12/19/2014 12:34 PM - Parag Mhashilkar**

- Status changed from New to Resolved

This is more of a support issue. I assigned the incident to Ken. Closing this one.

**#2 - 12/19/2014 12:34 PM - Parag Mhashilkar**

- Status changed from Resolved to Closed