

Subject: Re: JHPCE Cluster Job RAM Exception Report
Date: Monday, February 20, 2023 at 12:59:43 PM Eastern Standard Time
From: Jeffrey Tunison
To: bitsupport@lists.jh.edu, Abimereki Muzaale

Thank you for trying to reduce your memory use. However, we want you to succeed in your use of the cluster, so please increase the amount of memory requested until your jobs succeed!!

The job may have failed for other reasons. You can see what happened by determining the job ID number and specifying it in this command:
qacct -j JOBID

Or, if it ran in the past (these files are generated every morning at 3am), adjusting the date:
qacct -f /cm/shared/apps/sge/sge-8.1.9/default/common/accounting_20230220_0300.txt -j JOBID

Jeffrey Tunison - Systems/Applications Engineer
Dept of Biostatistics
Johns Hopkins Bloomberg School of Public Health
Office E3140, 615 N. Wolfe St, Baltimore, MD, 21205
443-287-2774 | <https://jhpcce.jhu.edu>

On 2/20/23, 11:49 AM, "Abimereki Muzaale" <muzaale@jhmi.edu> wrote:

Hi,

I'm trying to run a job that keeps crashing for memory-related issues.

For the most recent job here's what I submitted:

```
qsub -l mem_free=17G,h_vmem=17G,h_fsize=50G my.nber.data.sh
```

Please advise on how to successfully complete this without requesting more memory than I need.

Thanks!

Abi

From: JHPCE Support <jhpceadm@lists.johnshopkins.edu>
Date: Monday, February 20, 2023 at 3:00 AM
To: jhpceadm@lists.johnshopkins.edu <jhpceadm@lists.johnshopkins.edu>, Abimereki Muzaale <muzaale@jhmi.edu>
Subject: JHPCE Cluster Job RAM Exception Report

Dear Abimereki,

Over the last week, you ran 1 job that used far less RAM than requested on the JHPCE cluster. Memory that you allocate is not available to other users and can prevent other jobs from starting.

Going forward, please use a smaller value for "mem_free" that more closely aligns with your actual RAM requirements.

Summary of jobs where the amount of RAM used was far less than RAM requested:

Ram Req.	RAM Used	RAM Wasted	Cores	mem_free	Job ID	Tasks	Job Name
50	16.40	33.60	1	50	2969623	1	my_nber_data.sh

You can run the following to find more detaled informaiton about your job:

```
qacct -f /cm/shared/apps/sge/sge-8.1.9/default/common/accounting_20230220_0300.txt -j JOBID
```

Please email bitsupport@lists.jhu.edu if you have any questions.

Sincerely,
The JHPCE Management Team