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Subject: java.lang.OutOfMemoryError:  
Posted by [zhaohw](#) on Tue, 11 Sep 2007 01:53:16 GMT  
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Hello,

I newly met a memory problem when I am using jas3 to run a job.  
The error message is :

java.lang.OutOfMemoryError: Requested array size exceeds VM limit.

Do you have any idea about this error ?

Thanks,  
Haiwen

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [jfstrube](#) on Tue, 11 Sep 2007 01:57:51 GMT  
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Hello Haiwen,

this is a frequently asked question. Please refer to the JAS3 FAQ  
for instructions.

Cheers,  
Jan

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [tonyj](#) on Tue, 11 Sep 2007 02:29:41 GMT  
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Hi, Jan is write about the FAQ, however in the case of

Requested array size exceeds VM limit.

another possibility is that you, or some code on your behalf, is asking for a crazily large array. Do  
you know when the error occurs?

Tony

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [rwaliczek](#) on Wed, 04 Jun 2008 12:16:58 GMT  
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Hello,  
I have similar problem. When I try to run a job I get error:

```
java.lang.OutOfMemoryError: Java heap space
  at java.util.ArrayList.<init>(ArrayList.java:112)
  at org.lcsim.util.lcio.SIOReconstructedParticle.<init>(SIOReconstructedParticle.java:39)
  at org.lcsim.util.lcio.SIOReconstructedParticleBlockHandler.add
CollectionElements(SIOReconstructedParticleBlockHandler.java :19)
  at org.lcsim.util.lcio.AbstractBlockHandler.readBlock(AbstractBlockHandler.java:34)
  at org.lcsim.util.lcio.LCIOReader.read(LCIOReader.java:66)
  at org.lcsim.util.loop.LCIOEventSource.next(LCIOEventSource.java:70)
  at org.freehep.jas.extensions.recordloop.InteractiveRecordLoop.
getNextRecord(InteractiveRecordLoop.java:372)
  at org.freehep.jas.extensions.recordloop.RecordLoopManager.run(
RecordLoopManager.java:66)
  at java.lang.Thread.run(Thread.java:619)
```

But in this case the increase memory to 512Mb and more doesn't resolve this problem. Any idea?  
I have JAS3-0.8.4rc3, I use jdk1.6.0\_10, and .slcio file come from Marlin.

many regards,  
Radek

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [NormanGraf](#) on Wed, 04 Jun 2008 14:06:49 GMT  
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Hello Radek,  
It appears that you are looking at the output from a full reconstruction. These files can often be quite large, since many, if not all, of the intermediate collections are kept. Is the .slcio file you are trying to analyze publicly accessible? If so, I could investigate what is causing your problem.  
Norman

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [rwaliczek](#) on Wed, 04 Jun 2008 18:48:39 GMT  
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Hello Norman,

I use a lot of processors to reconstruction, but If I turn of more processors exactly the same error appear..JAS3 correct read only .slcio from Mokka, where are only Sim collection and some collection from digitalization process (ECAL,HCAL). If Its no problem for you I can send my .lciio (about 3mb) file to your email.

Cheers,  
Radek

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [tonyj](#) on Thu, 05 Jun 2008 13:43:54 GMT  
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Hi, can you attach file lciio file to a reply to this forum posting rather than sending it via e-mail?

Tony

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [rwaliczek](#) on Thu, 05 Jun 2008 14:54:14 GMT  
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Hi, This file is too big(1 event = 2,5Mb), but I generated newest .slcio from mokka 06-01 and its ok, but if I turn on PandoraPFA processor to Marlin I get the same error from JAS3. I think that this processors cause this error, what do you think?

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [tonyj](#) on Thu, 05 Jun 2008 15:15:53 GMT  
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Hi, I think it is not really a memory problem, my guess is that there is a problem reading the output from PandoraPFA. We will need an example file to look at the problem. Maybe you could attach a single event lciio file to the forum? Or maek it accessible via FTP or http?

Tony

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Subject: Re: java.lang.OutOfMemoryError:  
Posted by [rwaliczek](#) on Thu, 05 Jun 2008 15:57:55 GMT  
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Ok, its the link to single event e+e-, include PandoraPFA processor:  
<http://www.uploading.com/files/2VSTYR02/e+e-500GeV.slcio.htm> l

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