Subject: GSI Cluster: global gcc environments?
Posted by Stefan Pflueger on Wed, 29 Feb 2012 15:36:50 GMT

Hello,

I'm trying to use the Cluster at GSI for some computations. So far without complete success. My problem is that the batch systems are running the 64bit lenny while my program was compiled by the 32bit lenny machines (that I default to). Then at runtime common shared libraries like libgfortran.so are not found. Is there some nfs path with fixed gcc environments that I can set to use on both systems (so some kind of common ground for both systems)? Or how do I proceed...

Best regards,

Stefan

p.s. Sry in case this topic is not in the correct subforum, but it looked like the best match to me.

Subject: Re: GSI Cluster: global gcc environments?
Posted by Stefan Pflueger on Wed, 25 Apr 2012 08:12:11 GMT

Hi again,

ok so the gsi linux service desk gave me an answer, and apparently the different gcc environments were not available globally (via nfs or others). I was just curious why the default login node (lxi001) runs on 32bit but the cluster has only 64bit libs it can work with. Well anyhow, if I understood correctly these 32bit libs will also be available soon though. Not that one needs them when working on 64bit login nodes right away...

Best regards,

Stefan

Subject: Re: GSI Cluster: global gcc environments?
Posted by Mohammad Al-Turany on Wed, 25 Apr 2012 08:26:41 GMT

Hi Stefan,

I think this is the wrong forum for this topic, it would be better to submit a ticket to the GSI linux group by sending a mail to "linux-service@gsi.de" or via the ticket system https://it-tts.gsi.de/otrs/customer.pl

In case you went to log in to 64 bit machines you can use the lxlenny64 which will always send you to a 64 bit machine.

regards

Mohammad

Subject: Re: GSI Cluster: global gcc environments?
Posted by Stefan Pflueger on Wed, 25 Apr 2012 14:28:47 GMT
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Hi Mohammad,

thx for your reply. Yes thats exactly what I did, hence my reply to post their answer to my question. That was just in case someone else had similar questions and would hit my thread, it would actually help a bit. Otherwise it would have been just an unanswered post.

The solution of using a 64bit login node was clear to form the get go. It was just weird to me why the wiki pages recommend to use lxi001 if one can't work on the cluster with that node. On other clusters I'm used to have some kind of globally accessible dir (afs, nfs etc.), but I wasnt able to find them here... Anyways I'm working on the HIMSTER in Mainz now, so the GSI cluster is not needed atm.

Sry for the disturbance

Best regards,

Stefan

Subject: Re: GSI Cluster: global gcc environments?
Posted by StefanoSpataro on Wed, 25 Apr 2012 14:32:14 GMT
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In which wiki page lxi001 is suggested?

Subject: Re: GSI Cluster: global gcc environments?
Posted by Stefan Pflueger on Wed, 25 Apr 2012 15:51:20 GMT
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Hi,

Stefano Spataro wrote on Wed, 25 April 2012 16:32In which wiki page lxi001 is suggested?

I was referring to this:

 http://wiki.gsi.de/cgi-bin/view/Linux/InteractiveMachines?CGISESSID=6d48 74cac1c8de0b86ce4264986ceb16

Best regards,

Stefan