

From: "Adkins, Harold E" <Harold.Adkins@pnl.gov>
To: Gene Poole <gene.poole@ansys.com>
Date: Thu, Jan-15, 2004 10:55 PM
Subject: RE: The model yielding the memory error.

Gene,

I am highly interested in getting an advanced copy. I will touch base with you on Monday when I get back in to the office.

Thanks for the communication.

Harold

-----Original Message-----

From: Gene Poole [mailto:gene.poole@ansys.com]
Sent: Tue 1/13/2004 2:38 PM
To: Adkins, Harold E
Cc:
Subject: RE: The model yielding the memory error.

Harold,

Good news! We got your job to run with a single parameter change. It gets through assembly and solution easily in about 4 Gbytes. That's a picnic for your Altix. You should also set aside 2 Gbytes for db space. I'd run it with -m 6000 -db 2000. We will make some more runs but the error message you sent us was accurate and the fix was easy to find. Wish it was;t necessary.. I'll see if I can get you a trial version of the fix because the first official release that we could run it in is 8.1. Are you interested? The only issue with a trial version is certification. These changes are very minor so I'd have confidence running them but you may want to treat it as a Beta version just to be cautious. More later...

Gene

-----Original Message-----

From: Adkins, Harold E [mailto:Harold.Adkins@pnl.gov]
Sent: Friday, January 09, 2004 2:57 PM
To: Gene Poole
Subject: RE: The model yielding the memory error.

Gene,

go_solve.db is generated before the error. It will take some time to produce (2 hours on 12 cpu ALTIX or 24 hours on hot-rodded desktop). I recommend resuming form go_solve.db versus trying to split the input up as all file are interdependent.

Harold E. Adkins, Jr.
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-----Original Message-----

From: Gene Poole [mailto:gene.poole@ansys.com]

Al

Sent: Friday, January 09, 2004 11:41 AM
To: Adkins, Harold E
Subject: RE: The model yielding the memory error.

Harold,

I am running the btf3d input right now. Am I correct that I should get a go_solve.db file rather easily? That is, this file should be written before the error occurs? I am thinking that I may have to switch to a bigger machine when I get this far. If that is the case and I then want to split the input file into one that will do the solve part. Are there a lot of adpl parameters defined that would be needed if I split this file or do you think I can just do a resume and carry on??

The job is running. It generates a huge page file. You probably already know that. That's one thing you could do on your Altix to help performance before the solve - increase your db space significantly. I am not familiar yet with resource requirements for a job like this so I'll be looking at it as the job runs..

The job is using about 1 Gbyte of memory so I certainly could afford increasing my db space in generating the db file.

Gene
-----Original Message-----
From: Adkins, Harold E [mailto:Harold.Adkins@pnl.gov]
Sent: Friday, January 09, 2004 10:53 AM
To: Gene Poole
Subject: RE: The model yielding the memory error.

Gene,

Thanks for the support and assistance.

No instructions are needed other than the fact that the main input deck is btf3d.inp. It calls all of the remaining files.

i.e., simply issue the command `"/inp,btf3d,inp"` and it should go.

Talk with you later.

Harold E. Adkins, Jr.
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-----Original Message-----
From: Gene Poole [mailto:gene.poole@ansys.com]
Sent: Friday, January 09, 2004 8:50 AM
To: Adkins, Harold E
Subject: RE: The model yielding the memory error.

Thanks Harold. Enjoyed talking with you yesterday. I'll take a look at this and see what I can figure out with some help from our solver team.. Do I need any instructions

on what to do with this job??

Gene

-----Original Message-----

From: Adkins, Harold E [mailto:Harold.Adkins@pnl.gov]

Sent: Friday, January 09, 2004 10:34 AM

To: Gene Poole

Subject: The model yielding the memory error.

Gene,

Attached is an archive of the model that we are having problems getting to run.

Feel free to contact me if you have any questions.

Thanks,

Harold E. Adkins, Jr.

Senior Research Engineer

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