Subject: Re: time cost for file reading increasing!!! same file!
Posted by minchen on Tue, 09 Feb 2010 01:05:19 GMT

I use:
mem=memory(/current)
print,mem

inside the loop, and the 'print,mem' always the same value
and I also use the top command in the system to check the occupied
memory, it does not change.

On Feb 8, 4:58 pm, Chris <beaum...@ifa.hawaii.edu> wrote:
> On Feb 8, 1:20 pm, minchen <mchen...@gmail.com> wrote:
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>> Hi everyone,
>> I meet a mysterious problem on IDL file reading.
>> The problem is as following:
>> I just read the same hdf5 file seveal times and see the time costing.
>> I find the first 270 file reading is very quickly but after that, the
>> reading speed drops down although the file is the same one.
>
>> The simple code is here:
>> pro try
>>   filename='./particles.h5'
>>   file_id=h5f_open(filename)
>>   for i=1,2 do begin
>>   i=1   ; here just for test, so it will
>> always read
>>   print,'Systime=',Systime(0)   ; here output the systime
>>   dataset_name='Electrons_at_PE_302'
>>   dataset_id=h5d_open(file_id,dataset_name)
>>   ptcl0=h5d_read(dataset_id)
>>   h5d_close,dataset_id
>>   endfor
>>   h5f_close,file_id
>> end
>
>> I have check the memory, it does not increase. So the memory should no
>> problem.
>> Why the reading time increase? I am also sure there is no problem with
>> the hard disk heating.

>> So, what's the problem?
>
> What does your system memory look like? I don't know anything about
> h5d_read, but if there is a memory leak, you could be running low on
> RAM. Try adding in a line like
> help,/memory
> to the interior of the loop. None of the numbers should increase over
> time unless you are leaking memory.
>
> chris- Hide quoted text -
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> - Show quoted text -