On May 13, 5:05 pm, fgg <fabioguimaraesgoncal...@gmail.com> wrote:
> Hello,
>
> I have a code that is designed to read and process text files with
> this format:
>
> =xxx
> id = 1
> a = ...
> b = ...
> c = ...
>
> It starts by reading the data in using file_lines and a string array:
>
> infile = '/path/filename'
> n = file_lines(infile)
> data = strarr(n)
> openr, inunit, infile, /get_lun
> readf, inunit, data
>
> ... and ends by exporting stuff to another text file.
>
> Now I need to deal with input text files that have a slightly
> different format:
>
> =xxx
> id = 1
> a = ...
> b = ...
> c = ...
> =xxx
> id = 2
> a = ...
> b = ...
> c = ...
> =xxx
> id = 3
> a = ...
> b = ...
> c = ...
>
> They are just multiple files appended together. I was wondering if
> there is a simple way of breaking this new big file into multiple
> files with the old format so I don't have to change my code

> considerably (maybe using the "=xxx" lines to indicate where each file
> starts).
>
> Sorry if this is too obvious. I'm new to IDL.
>
> Thank you.

You can use WHERE(STREGEX(data_array,'=xxx',/boolean) to pick out
where the breaks are.

Subject: Re: Breaking files
Posted by Timm Weitkamp on Fri, 14 May 2010 10:12:53 GMT
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On May 13, 11:05 pm, fgg <fabioguimaraesgoncal...@gmail.com> wrote:
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> files with the old format so I don't have to change my code
> considerably (maybe using the "=xxx" lines to indicate where each file
> starts).
>
> Sorry if this is too obvious. I'm new to IDL.
>
> Thank you.

If you are working on a Unix or Linux system, the "split" utility
might be able to do this - at least if all the new small files that
you want to make have the same size or number of lines. Try "man
split" on the Unix command line to see if split is available on your
system and how it works. To launch "split" (or other Unix commands)
from IDL, you can use IDL's SPAWN command.

Good luck
Timm

Subject: Re: Breaking files
Posted by fgg on Fri, 14 May 2010 20:31:28 GMT
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Thanks for the suggestions. I can use WHERE to flag the those lines...
I'm just not really sure how to create a loop to run the entire script
for the first block of lines, then for the second and so one.

I use a Mac so I probably have the split utility. I'll take a look.
Thanks!