
Subject: Multiple Processing

Posted by [Kai Heckel](#) on Mon, 08 Jun 2015 08:18:03 GMT

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Hallo everyone!

I am currently trying to process a time series on a server. I have three scripts which are interacting during the processing. I'd like to do it yearwise (year by year). If I process the years one by one there is no problem but if I start multiple processes there is....

Imagine it like this:

1) 1 process (IDL window) -> one year

--> WORKS!

2) 4 processes (4 IDL windows) -> 4 years (separately; one per window)

--> DOESN'T WORK!

The problem always occurs after 30 min or so....I don't see what the problem is. Maybe something wrong with the LUN's?

Thanks!

Subject: Re: Multiple Processing

Posted by [markb77](#) on Mon, 08 Jun 2015 12:12:54 GMT

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hi Kai,

You have given basically zero information about your problem, other than the fact that your code doesn't work.

Perhaps you should look at how the script accesses your files? Do you have multiple processes trying to access the same file?

Mark

Subject: Re: Multiple Processing

Posted by [Kai Heckel](#) on Mon, 08 Jun 2015 12:39:00 GMT

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Am Montag, 8. Juni 2015 14:12:56 UTC+2 schrieb superchromix:

> hi Kai,

>
> You have given basically zero information about your problem, other than the fact that your code doesn't work.
>
> Perhaps you should look at how the script accesses your files? Do you have multiple processes trying to access the same file?
>
> Mark

Hey Mark!

I have a wrapper (.sav) containing different functions. Every of my files needs to be processed using the wrapper. In a FOR-loop the .sav is copied to the folder of the current file. So each files uses it's own .sav file. So there shouldn't be any overlap. Imagine that all files for the process are in separate folders. So there shouldn't be any overlap of data access

Subject: Re: Multiple Processing
Posted by [Fabzi](#) on Mon, 08 Jun 2015 12:58:17 GMT
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Hi Kai,

On 06/08/2015 02:39 PM, Kai Heckel wrote:
> Am Montag, 8. Juni 2015 14:12:56 UTC+2 schrieb superchromix:
>>> hi Kai,
>>>
>>> You have given basically zero information about your problem
>
> [snip]

I think that Mark was also referring to the way you describe your problem. "doesn't work" is not as useful as giving us: the traceback record of the error message, the estimated line of code where the workflow is interrupted, etc.

(<http://www.catb.org/esr/faqs/smart-questions.html#beprecise>)

Subject: Re: Multiple Processing
Posted by [sajan_unb](#) on Mon, 08 Jun 2015 15:43:07 GMT
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Did you check whether it is a buffer space problem.... Related to how much RAM you have on your system

Subject: Re: Multiple Processing
Posted by [Kai Heckel](#) on Tue, 09 Jun 2015 06:20:49 GMT
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Am Montag, 8. Juni 2015 17:43:09 UTC+2 schrieb sajan_unb:
> Did you check whether it is a buffer space problem.... Related to how much RAM you have on your system

Thanks for your answers so far!

The exact error code I get is just "131" which is an internal undefined error in the .sav-file. As the data sets are processed in a FOR-loop, the code "131" will simply give the information that this file could not be processed and then continue with the next one.

That's why I can not give you more detailed information...there simply is not error information.

Anyway, the error occurs (when I have e.g. 4 processes) at the same time in all windows....

If I stop 3 processes and reduce the number to one remaining process, the "131" disappears and the file are from that point processed correctly.

@sajan_unb:

I have 32GB RAM. One process used approx. 30 GB RAM. What do you mean with "buffer space problem"?

Thanks so much!

Subject: Re: Multiple Processing
Posted by [Craig Markwardt](#) on Tue, 09 Jun 2015 16:07:48 GMT
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On Tuesday, June 9, 2015 at 2:20:52 AM UTC-4, Kai Heckel wrote:

> @sajan_unb:

> I have 32GB RAM. One process used approx. 30 GB RAM.

Wait, isn't this the problem right here? You're running four processes right?
