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Subject: Re: parse subdirectories

Posted by [Helder Marchetto](#) on Thu, 16 Mar 2017 12:29:18 GMT

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On Wednesday, March 15, 2017 at 9:05:25 PM UTC+1, Helder wrote:

> On Wednesday, March 15, 2017 at 7:23:46 PM UTC+1, alx wrote:

>> Le mercredi 15 mars 2017 16:02:42 UTC+1, Helder a écrit :

>>> On Tuesday, March 14, 2017 at 12:04:15 AM UTC+1, Helder wrote:

>>>> Thanks for the insight Wayne.

>>>> I think I will go for the sort/count slashes option. Otherwise programming is no fun.

>>>> Cheers, Helder

>>>

>>> Ok,

>>> so I managed this and it is working fine. The improvement is there: crawling through 2000 sub-directories takes ~9 seconds against the >14 sec with the old file\_search method.

>>> Now the time to execute is limited by the spawn command (8.5 sec), whereas before it was limited by the file\_search (13 sec).

>>> If anybody requests it and I have time I'll put the code together in a "nicer" way.

>>> Cheers,

>>> Helder

>>

>> Maybe you could simply reorder your string array first by using SORT ?

>>

>> print, result[sort(result)]

>>

>> K:\data\sub-1\2002

>> K:\data\sub-1\2002\02\_01\_26

>> K:\data\sub-1\2002\02\_01\_28

>> K:\data\sub-1\2004

>> K:\data\sub-1\2004\04\_12\_02

>> K:\data\sub-1\2004\04\_12\_03

>> K:\data\sub-1\2005

>> K:\data\sub-1\2017

>

> Hi Alx,

> that's indeed \*one\* of the things I have to do. However, there's more to it than plain sorting.

This because I want to maintain the physical tree structure: therefore I have to determine if any given directory is a node or a leaf and index it accordingly.

> Since I like to use this a lot - and wonder why this isn't already available - I will try to order/clean things up and share it when it's done.

>

> What it does not do and will no do, is follow symbolic links and I will not test this on a linux/mac machine (simply don't have one). If anybody is interested, we can share the load :-)

>

> Cheers,

> Helder

Ok, so I loaded this up on github with an example:

<https://github.com/heldermarchetto/IDL>

I'm not that much into github, so if you want to contribute/improve the procedure, you're welcome. Let me know if I can do anything about it.

The notifications are not really set-up and I think I don't need to... I'll check that later.

I had someone test this for me with a much bigger directory tree and the improvement was from 2'17" to 51". Nice.

I think that this procedure will not be useful for small directories! It will probably be slower, and that is because of the spawn call to the powershell.

Cheers,  
Helder

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