Subject: strsplit vectorized
Posted by spluque on Thu, 12 Sep 2013 19:33:54 GMT

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Hi,

I realize that strsplit() only takes a scalar for its first argument string. I would like to have that operation done on all the elements of a string vector. The vector contains time stamps (e.g. '2013-09-10 00:00:00'), that I am trying to replace by the concatenation of each component (e.g. '20130910000000' in the preceding example). How can this be done without a complicated loop?

Thanks,
Seb

Subject: Re: strsplit vectorized
Posted by spluque on Thu, 12 Sep 2013 19:43:57 GMT

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An update after finding out that IDL >= 8.0 does allow arrays as input...

On Thursday, September 12, 2013 2:33:54 PM UTC-5, spl...@gmail.com wrote:
> Hi,
>
>
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>
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> Thanks,
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> Seb

Subject: Re: strsplit vectorized
Posted by John Correira on Thu, 12 Sep 2013 19:50:54 GMT

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On 09/12/2013 03:43 PM, spluque@gmail.com wrote:
> An update after finding out that IDL >= 8.0 does allow arrays as input...
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>
> On Thursday, September 12, 2013 2:33:54 PM UTC-5, spl...@gmail.com
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>> Thanks,
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>> Seb

For a IDL 7 compatible answer, if the data always in that format (i.e.
YYYY-MM-DD HH:MM:SS) you could do something like

new = STRJOIN(strmid(array,[0,5,8,11,14,17],[4,2,2,2,2,2]))

John

Subject: Re: strsplit vectorized
Posted by wlandsman on Fri, 13 Sep 2013 13:34:49 GMT
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On Thursday, September 12, 2013 3:50:54 PM UTC-4, John Correira wrote:

>
> For a IDL 7 compatible answer, if the data always in that format (i.e.
>
> YYYY-MM-DD HH:MM:SS) you could do something like
>
>
>
> new = STRJOIN(strmid(array,[0,5,8,11,14,17],[4,2,2,2,2,2]))

Nice.   I had previously complained about the clumsy syntax of STRMID when you just want to a
single substring from each element of a string array.   (You can't use a scalar to specify the first
position or string length -- http://www.idlcoyote.com/code_tips/strmidvec.html)   But when you

want to extract multiple substrings from each element of a string array then the syntax becomes elegant.

Subject: Re: strsplit vectorized
Posted by spluque on Fri, 13 Sep 2013 18:41:21 GMT
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On Thursday, September 12, 2013 2:50:54 PM UTC-5, John Correira wrote:
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>
>
>
> John
```

Thank you, strmid takes multiple ranges!

Seb