
Subject: Re: String Splitting

Posted by [mmiller3](#) on Wed, 19 Jul 2006 19:49:50 GMT

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>>>> > ChristopherFlorio <ChristopherFlorio@gmail.com> writes:

> I am having a problem with the STRSPLIT function. I am
> using it to extract the file extension from a string where
> it might not be at the end. However in the process I am
> also eliminating addition elements, not found in the
> extension. For example

> file='Image.img' filter='*.img'

> file=STRJOIN(STRSPLIT(file,filter,/EXTRACT))

> file='lae'

> desired output: file='Image'

The pattern argument to strsplit is either a single character, or a regular expression. You are using '*.img' as a regular expression and therefore are splitting on any string that looks like zero or more characters followed by i, m or g. If you want to split in the '.', use '.' as your split: strsplit(file, '.', /extract)

```
IDL> print, (strsplit('Image.img', '.', /extract))[0]  
Image
```

If you want to strip off the extension, you can use strmid and strpos. (Reverse_search is handy for getting the last match, rather than the first)

```
IDL> file='Image.img'  
IDL> print, strmid(file, 0, strpos(file, '.', /reverse_search))  
Image  
IDL> file='Image.with.multiple.periods.img'  
IDL> print, strmid(file, 0, strpos(file, '.'))  
Image  
IDL> print, strmid(file, 0, strpos(file, '.', /reverse_search))  
Image.with.multiple.periods
```

Mike
