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Subject: Re: Chopping up a string  
Posted by [Craig Markwardt](#) on Wed, 09 May 2001 16:29:33 GMT  
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"Noam R. Izenberg" <noam.izenberg@jhuapl.edu> writes:

> I have a set of 5 numbers in a string separated by spaces  
> (e.g.string= '0 1 2 3 4'), and i need to chop them into separate  
> integer variables (var1=0, var2=1 etc...) I would use the various  
> strmid commands except the size of the numbers is not always the  
> same. Sometimes one or more of the numbers will be 2 or more  
> digits. (e.g. '14 14 256 5 2').

```
IDL> string= '0 1 2 3 4'
IDL> vars = long(str_sep(strcompress(string),' '))
IDL> help, vars
VARS      LONG      = Array[5]
IDL> print, vars
```

The STRCOMPRESS is optional if you can guarantee a single space between numbers.

Craig

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Craig B. Markwardt, Ph.D.      EMAIL:    craigmnet@cow.physics.wisc.edu  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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Subject: Re: Chopping up a string  
Posted by [Amar Nayegandhi](#) on Wed, 09 May 2001 19:30:10 GMT  
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"Noam R. Izenberg" wrote:

>  
> I have a question about chopping up a string of numbers into separate integer variables.  
>  
> I have a set of 5 numbers in a string separated by spaces (e.g.string= '0 1 2 3 4'), and i need to  
> chop them into separate integer variables (var1=0, var2=1 etc...) I would use the various strmid  
> commands except the size of the numbers is not always the same. Sometimes one or more of  
the numbers  
> will be 2 or more digits. (e.g. '14 14 256 5 2').  
>  
> Is there any neat trick to doing this?  
[

you can use the strsplit keyword in IDL.  
e.g: array\_of\_strings = strsplit(string, /extract) ;the default pattern  
to switch at is whitespace  
    array\_of\_integers = fix(array\_of\_strings)  
-amar  
]

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Murphy's Law of Research:  
Enough research will tend to support your theory.

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Amar Nayegandhi  
Graduate Student  
Department of Computer Science,  
University of South Florida, Tampa.

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Subject: Re: Chopping up a string  
Posted by [Noam R. Izenberg](#) on Fri, 11 May 2001 13:09:00 GMT  
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All,

Thanks for the replies on- and off-list. They're just what I needed!

Noam

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