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Subject: Re: An IDL STRTOK??? Was: TextoIDL Broken and Gone?

Posted by [Mirko Vukovic](#) on Mon, 15 Jan 2001 22:04:00 GMT

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In article <onbst8eczg.fsf@cow.physics.wisc.edu>,  
craigmnet@cow.physics.wisc.edu wrote:

>

> davidf@dfanning.com (David Fanning) writes:

>> Nick Bower (bowern@ses.curtin.edu.au) writes:

>>

>>> This really sucks and it's most unfortunate that such a well-known

>>> package like this has been inadvertently clobbered without a hint

of

>>> documentation.

>>

To fix the thing on my machine, I had to do the following:

1) rename the file strtok.pro and the function name in it (I chose  
StrUpToTok).

2) In file Translate\_Sub\_Super.pro change calls to StrTok to (in my  
case) StrUpToTok on lines 227-x and 292-x (where - stands for ``minus"  
and x is about 5 -- I actually increased the length of the file by  
documenting the change :-))

But as Craig? pointed out, one may not be able to distribute the file  
due to copyright issues.

Now, a bit off topic, where does one find the post-script codes for the  
symbols, in case one extends the translation table?

Mirko

Sent via Deja.com  
<http://www.deja.com/>

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Subject: Re: An IDL STRTOK??? Was: TextoIDL Broken and Gone?

Posted by [landsman](#) on Mon, 15 Jan 2001 23:13:43 GMT

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A couple of historical notes on strtok and textoidl:

1. In the V5.3 beta distribution, there was an intrinsic routine STRSPLIT  
to split a string into substrings. But this caused conflict with a  
user procedure strsplit.pro in a widely-distributed large IDL package.

So RSI attempted to avoid this conflict by renaming the intrinsic procedure STRTOK and making STRSPLIT a procedure that simply called STRTOK (so that the user procedure strsplit.pro could be given precedence in the !PATH if desired). Unfortunately, this now caused a conflict with the procedure strtok.pro in the widely distributed textoidl package.

2. There is a duplicate version of the textoidl package at

<http://astro.uni-tuebingen.de/software/idl/textoidl/index.html>

but this has the same strtok compatibility problem for V5.3 and later. As Mirko mentioned, one simply has to rename strtok.pro and the calls to strtok in Translate\_Sub\_Super.pro

Changing subjects, one recent change I've discovered going from V5.3 to V5.4 that I'm not sure has been mentioned yet, is that one can no longer read past the end of a file with ASSOC. Below is a simple test program that tries to read 20 bytes from a 10 byte file. In V5.3 the extra 10 bytes are padded with zeros, while in V5.4 there is an error.

I think I prefer the V5.4 behaviour so this is arguably a bug fix. Still, I had to fix up some older code in order to get it to work under V5.4.

--Wayne Landsman                      landsman@mpb.gsfc.nasa.gov

```
pro test
openw,lun,'test.dat',/get_lun
writeu,lun,bindgen(10)           ;Write 10 bytes
close,lun & openr,lun,'test.dat' ;Close the file & open for
reading
a = assoc(lun,bytarr(20) )       ;Associate with a 20 byte array
print,a(0)
free_lun,lun
return
end
```

```
STIS>print,!VERSION
{ sparc sunos unix 5.3 Nov 11 1999}
STIS>test
 0 1 2 3 4 5 6 7 8 9 0 0 0 0 0 0 0
0 0 0
```

```
IDL> print,!VERSION
{ sparc sunos unix 5.4 Sep 25 2000   32   64}
IDL> test
% End of file encountered. Unit: 113, File: test.dat
```

% Execution halted at: TEST 8  
/stis0/data31/landsman/iraf/test.pro  
% \$MAIN\$

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Subject: Re: An IDL STRTOK??? Was: TextIDL Broken and Gone?  
Posted by [Matt Craig](#) on Wed, 17 Jan 2001 16:59:01 GMT  
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In article <943slr\$b3i\$1@newsserv.zdv.uni-tuebingen.de>,  
wilms@astro.uni-tuebingen.de (Joern Wilms) wrote:  
[snip]

> A while back I was in contact with Matthew Craig and we were allowed  
to host  
> textoidl at  
>  
> <http://astro.uni-tuebingen.de/software/idl/textoidl/index.html>  
>  
> I have not heard from him since, but the code on the web-page runs on  
5.3

Thanks for making that available on your site!

Feel free to keep hosting your version, but I have (finally) released a  
new version myself that runs on 5.3. It is at:

<http://physweb.mnstate.edu/mcraig/TeXtoIDL/>

Also see the post I wrote yesterday about the changes to the copyright  
and stuff (or just look at the new copyright file).

Matt Craig

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Matt Craig  
Assistant Professor, Dept of Physics and Astronomy  
Minnesota State University Moorhead  
(218) 236-2439

Sent via Deja.com  
<http://www.deja.com/>

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