
Subject: Re: Dealing with list created by STRSPLIT?
Posted by [BLesht](#) on Fri, 20 May 2011 20:45:40 GMT
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On May 20, 11:54 am, Chris Torrence <gorth...@gmail.com> wrote:

> On May 19, 8:44 pm, Barry Lesht <ble...@gmail.com> wrote:

>
>> IDL> namearray=splitnames.ToArray()
>> % LIST::TOARRAY: Unable to convert to type STRING: Element 798
>> % Error occurred at: LIST::TOARRAY
>> % \$MAIN\$
>> % Execution halted at: \$MAIN\$

>
>> Element 798 is no different from any of the elements in the list, by
>> the way, but this is not the real problem (at least I don't think it
>> is)

>
>> There must be an easy way to do this; I'm not seeing it. Any help
>> would be much appreciated.

>
> Hi Barry,

>
> If you have IDL 8.1, you can now use multiple indices with List and
> Hash. The first index gets the actual list (or hash) element, while
> the remaining indices are used to index into the returned array. So in
> your case, you could simply do:
> print, splitnames[27,3]
> This would take the 28th element of the list and extract the 4th
> string. You can also use the usual array ranges, *, etc.

>
> Regarding your particular problem, I am curious about what is wrong
> with element 798. I'm worried there is a bug either in the strsplit
> list code, or in the List::ToArray code, and I'd like to fix it. Can
> you try the ::ToArray again, and when it halts with the error, print
> out some info about element 798? For example:

> HELP, splitnames[798]
> PRINT, splitnames[798]

>
> Thanks!
> -Chris
> ITTVIS

Hi Chris - Thanks! I'm using 8.0.1 but will update shortly. Maybe that will fix the problem. Here is the output corresponding to your suggestion:

```
IDL> help, splitname[798]
<Expression>  STRING  = Array[7]
```

```
IDL> print, splitname[798]
Volumes 2TBDrive SeaWiFS L2standard62 Superior 2009
S2009238193838.L2.x.hdf
IDL>
```

Also, look at this:

```
IDL> print, splitname[796:798]
Volumes 2TBDrive SeaWiFS L2standard62 Superior 2008
S2008239191527.L2.x.hdf
Volumes 2TBDrive SeaWiFS L2standard62 Superior 2008
S2008239191527.L2.x.hdf
Volumes 2TBDrive SeaWiFS L2standard62 Superior 2009
S2009238193838.L2.x.hdf
IDL>
```

and this:

```
IDL> newnames = splitname[0:796]
IDL> tryarray = newnames.ToArray()
% LIST::TOARRAY: Unable to convert to type STRING: Element 791
% Error occurred at: LIST::TOARRAY
%           $MAIN$
% Execution halted at: $MAIN$
```

Barry
