
Subject: Re: quirk End of file encountered before end of program
Posted by [lecacheux.alain](#) on Wed, 17 Dec 2014 16:49:14 GMT
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On Wednesday, December 17, 2014 11:28:38 AM UTC+1, LC's No-Spam Newsreading account wrote:

> On Mon, 15 Dec 2014, Yngvar Larsen wrote:

>

>> ! LC's No-Spam Newsreading account wrote:

>>>

>>> The original code I had (dating to several years ago, before anonymous
>>> structures were introduced) used in fact a much more complex mechanism.

>>

>> Wow. Are you sure? Both named and anonymous structures have been there
>> at least since IDL 4.0 (maybe even from the very beginning?), released
>> several decades ago.

>

> Actually the original scripts are dated 1996 (they could be older,
> possibly I wasn't using rsync to inherit things when I moved machine
> before then :-)). I am a sporadic but regular IDL user ... after all IDL
> was used by Giotto at the time of the last Halley comet pass (1986) ...
> although I started a bit later.

>

>> In your case, I really don't see why you cannot use
>> CREATE_STRUCT(tag1, value1, tag2, value2, ...) directly.

>

> In fact I tested it, and now do it creating a long statement and using
> execute statement at the end.

>

```
>> if init eq 0 then begin
>>   struct = create_struct(tag, value)
>>   init = 1
>> endif else begin
>>   struct = create_struct(tag, value, struct)
>> endelse
```

>

> Hmm ... this way you are PREpending new tags ... and possibly creating a
> nested structure ?

>

> I want a sort-of flat structure where tags are APpended at the end.
> I do something like this:

>

```
> stmt='structure=create_struct( '
>
> stmt=stmt+"data', ...."
>
> loop on "keywords"
>   stmt=stmt+"', '"+name+"', '"+value
```

> end loop
>
> stmt=stmt+')'
> test=execute(stmt)
>
> The first tag is special, it can be a data array or a data substructure.
> All other tags come later, and are keywords read from the data file, and
> assigned heuristically a data type.
>
> So far I haven't encountered problems in building long statements
> (structure with about 200 tags)
>
> For me the issue is closed (happily)

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But you would have saved your time by reading the documentation more carefully.
Usage of CREATE_STRUCT is very flexible:
new_struct = CREATE_STRUCT(..., old_structure, ...)
where ... can be i) others structures, ii) tag-value pairs, iii) array of tags, array of values. In any
order.

alx.
