Subject: Re: Null terminated strings
Posted by Craig Markwardt on Tue, 08 Jan 2002 02:26:37 GMT
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James Kuyper <kuyper@gscmail.gsfc.nasa.gov> writes:

> I'm reading a string-valued file attribute from an HDF file that was
> created using C code. As seems quite reasonable for C programs, the
> attribute was written with a length that includes a terminating null
> character. When I read it in using IDL, that null character got included
> as well. This causes a number of bizarre effects, most notably:
>
> IDL> print,date
> 2001-10-07
> IDL> print,date+'T12:00:00'
> 2001-10-07'T12:00:0
>
> I can handle this particular case by using strmid(date,0,10), but in
> general a file attribute might contain multiple null-delimited strings,
> of unknown length. Is there an efficient way of converting such a string
> into an IDL string array?

What happens when you swizzle it through a STRING-BYTE-STRING
transformation?

I.e.,

```
date = string(byte(date))
```

I believe that STRING will ignore any trailing 0-bytes, hence this may
solve your problem exactly, at the expense of some extra CPU.

Good luck,
Craig

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