Subject: Re: how to define a struct header of fixed length in IDL Posted by Benjamin Hornberger on Sun, 17 Jul 2005 18:15:52 GMT

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rzsh5 wrote:

- > hi,all
- I have met a problem in write a binary file in IDL. In my output
- > file, I need to write a header with 1024 byte length first, and then
- > output the data(5*5). I have defined a struct array for the header
- > which includes different data types (string, Long, Integer). But how to

>

- > define a string type variable with fixed length, for example, char*
- > a[20]? my header is just like the following, but I can't read it out.
- > please help me, thanks.
- > struct={header,
- > Sat:",Product:",Unit:",Yeari; 1/2:1,Day:1,Hour:1,Mini:1,L at maxi; 1/2:1.0, Lat min: 1.0, Lon max: 1.0, Li; 1/2 on min: 1.0, P roject:",R_lat:1.�0,R_lon:1.0,Row:1,Col:1,Slope:� 1.0,Offset:1.0,spare:"}
- > where, for Sat, Product and Unit, Project, The length is char*20.

>

>

- I use writeu to write the header into file, and readu to get the header
- > out, but failed.

>

How about using byte arrays of fixed length? You could write a wrapper routine which converts strings to byte arrays (of fixed length) when writing and vice versa when reading.

Benjamin