
Subject: Re: Reading a string from a file
Posted by [davidf](#) on Wed, 09 Dec 1998 08:00:00 GMT
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Stefano Manzonetto (tesi3@a5.itba.mi.cnr.it) writes:

> I've a problem which should rather easy for you to solve. I need to
> save a string to a file and then read it without knowing before its
> length. Note that the string is just a field of a struct, so I can't get
> its length from the file's one.

If your file is an ASCII file, put the string on a line
by itself and read it like this:

```
mystring = "  
ReadF, lun, mystring
```

If your file is a binary file, make sure you are
writing an XDR file. These files will save the
length of a string along with the other "meta" data.

```
OpenW, lun, 'myfile.dat', /Get_Lun, /XDR
```

If you want to write a binary file, but for some
reason you can't use XDR format, then the best idea
is to write the length of the sting into the file.
Something like this:

```
WriteU, lun, StrLen(mystring), mystring
```

Then, when reading out:

```
stringLen = 0L  
ReadU, lun, stringLen  
mystring = String(Replicate(32B, stringLen))  
ReadU, lun, mystring
```

Cheers,

David

--

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Coyote's Guide to IDL Progamming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

[Note: This follow-up was e-mailed to the cited author.]

Subject: Re: Reading a string from a file
Posted by [Franz.Dollinger](#) on Thu, 10 Dec 1998 08:00:00 GMT
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Franz.Dollinger@REMOVE_THIS.mchp.siemens.de (Franz Dollinger):

> davidf@dfanning.com (David Fanning):

>>

>> If your file is a binary file, make sure you are

>> writing an XDR file. These files will save the

>

> I'll take the chance to jump on this thread with a

> followup question:

> I'm using XDR for a while with PV-WAVE.

> Now I have to exchange data between PV-WAVE and C programs.

> Is there a library in C for reading and writing XDR

> available somewhere?

>

Sorry for pushing send to fast:

I guess I have to be more precise. I'm looking for a library
that works on NT with C++. It looked to me like RPC is not
included with every compiler. (wrong installation?)

thanks again

bye

Franz

--

Standard->disclaimer

(You didn't really think the opinions expressed herein
are in any way related to my employer?)

Email: Please remove REMOVE_THIS from

Franz.Dollinger@REMOVE_THIS.mchp.siemens.de

Subject: Re: Reading a string from a file
Posted by [Franz.Dollinger](#) on Thu, 10 Dec 1998 08:00:00 GMT
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davidf@dfanning.com (David Fanning):

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Thanks for any help.

bye
Franz

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Franz.Dollinger@REMOVE_THIS.mchp.siemens.de
