
Subject: Re: Reading and saving a file

Posted by [Gray](#) on Wed, 26 Jan 2011 13:52:36 GMT

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On Jan 26, 8:25 am, Giovanna <giovanna01.san...@gmail.com> wrote:

```
> Hi all,
>
> I need to read and save a file using IDL, but my code is reading and
> saving only the first line. Please, see my code:
>
> PRO READ_FILE
> OpenR, lun, 'C:\Documents and Settings\Web\IDLWorkspace\Projeto_Estudo
> \dados.dat', /Get_lun
> file = "
> ReadF, lun, file
> SAVE, FILENAME=('C:\Documents and Settings\Web\IDLWorkspace
> \Projeto_Estudo\teste1.dat')
>
> ;print,file
> END
```

It reads in the first line because "file" is a string, and not a string array. If you want the whole thing you need:

```
file = strarr(file_lines(...))
readf, lun, file
```

Subject: Re: Reading and saving a file

Posted by [Giovanna](#) on Wed, 26 Jan 2011 14:48:58 GMT

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On 26 jan, 11:52, Gray <grayliketheco...@gmail.com> wrote:

```
> On Jan 26, 8:25 am, Giovanna <giovanna01.san...@gmail.com> wrote:
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So, i'm reading a file, i need to extract data and save into another file, but is coming with strange characters.

In what format I save so they do not come up with these strange characters and that JAVA can also read??

Thanks

Subject: Re: Reading and saving a file
Posted by [penteado](#) on Wed, 26 Jan 2011 15:22:26 GMT
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On Jan 26, 12:48 pm, Giovanna <giovanna01.san...@gmail.com> wrote:

```
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Where do you see the problem? In IDL, from what was read? In the file written by IDL? Which characters are creating the problem?

Generally speaking, any text files made in IDL should be easy to read in Java, since IDL only natively does ASCII strings, and Java natively uses Unicode.

Subject: Re: Reading and saving a file
Posted by [David Fanning](#) on Wed, 26 Jan 2011 15:31:18 GMT
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Paulo Penteado writes:

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```

> uses Unicode.

Well, she "saved" the file in an IDL save file. That will probably create some problems for JAVA. :-)

I think the real problem is that the user is confusing the notion of "file" with "variables in the file". You don't have to "save" this file. It's already saved. You're reading it!!

If it is variables you want to save, you are going to have to do something else completely. Maybe just read a book on general programming principles.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Reading and saving a file

Posted by [Giovanna](#) on Wed, 26 Jan 2011 15:37:48 GMT

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On 26 jan, 13:22, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Jan 26, 12:48 pm, Giovanna <giovanna01.san...@gmail.com> wrote:

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I'm reading this file for example: <http://pastebin.com/ctHZC8wv> and
when i save characters appear. See: <http://pastebin.com/HsQse0uy>

My code: <http://pastebin.com/eiAVywr1>

Thanks

Subject: Re: Reading and saving a file

Posted by [Giovanna](#) on Wed, 26 Jan 2011 18:19:43 GMT

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On 26 jan, 13:37, Giovanna <giovanna01.san...@gmail.com> wrote:

> On 26 jan, 13:22, Paulo Penteado <pp.pente...@gmail.com> wrote:

>

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> Thanks

Hi all,

I'm reading a file, i need to extract data and save into another
file, but is coming with strange characters.

I'm reading this file for example: <http://pastebin.com/ZLgMjrH3> and
when i save characters appear. See: <http://pastebin.com/NbwKhqAw>

My code: <http://pastebin.com/kShggiSa>

I need to save in a format that is then recognized by JAVA.

Understood?

Subject: Re: Reading and saving a file

Posted by [Gray](#) on Wed, 26 Jan 2011 18:44:18 GMT

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On Jan 26, 1:19 pm, Giovanna <giovanna01.san...@gmail.com> wrote:

> On 26 jan, 13:37, Giovanna <giovanna01.san...@gmail.com> wrote:

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>

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>

> I need to save in a format that is then recognized by JAVA.

>

> Understood?

So, you're saying that when you restore your saved 'teste1.dat', and type print, file you get those characters? Could it be possible that your original file has control characters hidden? Try opening it with a plain old text editor to see if there are hidden characters.

Subject: Re: Reading and saving a file

Posted by [pgrigis](#) on Wed, 26 Jan 2011 20:42:10 GMT

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On Jan 26, 1:19 pm, Giovanna <giovanna01.san...@gmail.com> wrote:

> On 26 jan, 13:37, Giovanna <giovanna01.san...@gmail.com> wrote:

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>
> My code:<http://pastebin.com/kShggiSa>
>
> I need to save in a format that is then recognized by JAVA.
>
> Understood?

The solution is not to use the "save" function.
Use "printf" to write the contents to the new
file.

Ciao,
Paolo

Subject: Re: Reading and saving a file
Posted by [Giovanna](#) on Thu, 27 Jan 2011 12:32:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 26 jan, 18:42, Paolo <pgri...@gmail.com> wrote:
> On Jan 26, 1:19 pm, Giovanna <giovanna01.san...@gmail.com> wrote:
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>
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> Use "printf" to write the contents to the new
> file.
>
> Ciao,
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How do i use the printf? So: printf, file, 'teste1.dat'

??

Subject: Re: Reading and saving a file
Posted by [pgrigis](#) on Thu, 27 Jan 2011 15:25:17 GMT
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On Jan 27, 7:32 am, Giovanna <giovanna01.san...@gmail.com> wrote:

> On 26 jan, 18:42, Paolo <pgri...@gmail.com> wrote:

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>
> ??

Basically you want to use openw to get a file unit:

```
openw, Unit, 'data.dat', /GET_LUN
```

then printf to write the contents

```
mydata=[1,2,3]
```

```
printf,unit,mydata
```

```
close,unit
```

Ciao,
Paolo

Subject: Re: Reading and saving a file
Posted by [David Fanning](#) on Thu, 27 Jan 2011 15:28:57 GMT
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Paolo writes:

> Basically you want to use openw to get a file unit:
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>
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> mydata=[1,2,3]
>
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>
> close,unit

Well, use FREE_LUN, instead of CLOSE. CLOSE won't free the logical unit number to be used over again when it is obtained this way. FREE_LUN will both close the file *and* free the logical unit number.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Reading and saving a file

Posted by [Giovanna](#) on Thu, 27 Jan 2011 16:24:38 GMT

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On 27 jan, 13:25, Paolo <pgri...@gmail.com> wrote:

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>
> then printf to write the contents
>
> mydata=[1,2,3]
>
> printf,unit,mydata
>
> close,unit
>
> Ciao,
> Paolo

```

Hi,

This error is occurring when running:

Error -

OPENR: All available logical units are currently in use.

% Execution halted at: READ_FILE 3 read_file.pro

% \$MAIN\$

This error is occurring this line: `OpenR, lun, 'dados.dat', /Get_lun`

What could be??

Thanks
