
Subject: Re: checking if file is dos textfile or unix textfile ?

Posted by [R.Bauer](#) on Fri, 19 Mar 2004 14:26:53 GMT

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Klemens Barfus wrote:

> Hello together,
> following from a question some months ago, this question arised:
> how can I check if a textfile is dos or unix formatted ? Which way do I
> have to open it in IDL under windows (older IDL version 5.2.1) ? How do
> I have to read from the file to check the format ?
>
> Thanks for your help in advance !
>
> Klemens
>

What kind of problems do you have?

You could read the file in binary and test if 10b is followed by 13b.
if this is true then it is a dos file.

If you don't move a pointer in the file then you should be able to read
it the same way on both platforms.

Otherwise a good trick is to use `get_file()` and `put_file` to make a local
copy into the `/tmp` directory and work on that one.

Reimar

--

Reimar Bauer

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Forschungszentrum Juelich
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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
=====

Subject: Re: checking if file is dos textfile or unix textfile ?

Posted by [Norbert Hahn](#) on Fri, 19 Mar 2004 15:56:24 GMT

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Reimar Bauer <R.Bauer@fz-juelich.de> wrote:

> You could read the file in binary and test if 10b is followed by 13b.

> if this is true then it is a dos file.

If I'm not mistaken the sequence is CR followed by LF.

Norbert

Subject: Re: checking if file is dos textfile or unix textfile ?

Posted by [Michael Wallace](#) on Fri, 19 Mar 2004 16:19:59 GMT

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> following from a question some months ago, this question arised:
> how can I check if a textfile is dos or unix formatted ? Which way do I
> have to open it in IDL under windows (older IDL version 5.2.1) ? How do
> I have to read from the file to check the format ?

Is there some specific file-reading issue you're having? As far as I know, there is no difference between reading DOS-formatted and UNIX-formatted files no matter what OS you're using. As a test, I just read in a DOS-formatted text file on my Linux box without any problems.

There are two UNIX utility programs, dos2unix and unix2dos which convert files back and forth between the formats. If you want to make sure that all of your files are of the same format, just run all of them through the appropriate converter.

-Mike

Subject: Re: checking if file is dos textfile or unix textfile ?

Posted by [Norbert Hahn](#) on Fri, 19 Mar 2004 19:14:44 GMT

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Michael Wallace <mwallace.removethismunge@swri.edu.invalid> wrote:

> Is there some specific file-reading issue you're having? As far as I
> know, there is no difference between reading DOS-formatted and
> UNIX-formatted files no matter what OS you're using. As a test, I just
> read in a DOS-formatted text file on my Linux box without any problems.

As long as you restrict yourself to the 96 printable ASCII characters there are no differences except for the new line characters. However, character set extensions i.e. for national characters differ between DOS and Windows.

Norbert

Subject: Re: checking if file is dos textfile or unix textfile ?

Posted by [R.Bauer](#) on Sat, 20 Mar 2004 09:15:48 GMT

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Norbert Hahn wrote:

> Reimar Bauer <R.Bauer@fz-juelich.de> wrote:

>

>> You could read the file in binary and test if 10b is followed by 13b.

>> if this is true then it is a dos file.

>

> If I'm not mistaken the sequence is CR followed by LF.

>

> Norbert

you are right I am a long time ago have used DOS

Reimar
