Subject: Portability of serialized files on Linux(UBUNTU) and Windows
Posted by ManfredHerr on Fri, 04 Apr 2014 21:01:31 GMT
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Hi,

if you serialize a structure that contains multiline text in Linux and try to read it in Windows then you get an error (and vice versa). I think this is because of the additional carriage return of text lines in Windows.

This CR you have to take care of as well when reading text files in a string and split it into lines.

The question is: Is it more important to be compatible to windows text or to be portable?

I think there should be an option to strip this CR. Isn't it?

Perhaps, there is already one and I missed it?

Subject: Re: Portability of serialized files on Linux(UBUNTU) and Windows
Posted by nlneilson on Sat, 05 Apr 2014 02:42:16 GMT
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Setup->Environment->Editor->Line ending->Detect with default CRLF

I don't really understand what your problem actually is.
I have been using Win XP, 7 and Ubuntu for several years without any problem.

Could you clarify and a runnable example.
Win will work with just LF or \n without the CR (unless I am wrong).

When I parse a text string a character at a time:
0D = 13, 0A = 10

```
        int ic = 0;
        char ch;
    for ( int i = 0; i < cc; i++ ){
         ic = (ln[i]);
            ch = ic;
    if (ic==10) continue;
```

This is just a quick guess.
if (ic==10) continue; // this just drops the 0A

Subject: Re: Portability of serialized files on Linux(UBUNTU) and Windows

Posted by mirek on Sat, 05 Apr 2014 06:39:44 GMT
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worth investigating bu i would welcome a testcase...

Subject: Re: Portability of serialized files on Linux(UBUNTU) and Windows
Posted by ManfredHerr on Sun, 06 Apr 2014 16:11:53 GMT
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I have to apologize! It seems that I tricked myself and copied some older files from UBUNTU to WINDOWS. Probably, they would have given an error on UBUNTU as well. Latest files work on both environments.

But an other point I noticed:

```
C:\upp\uppsrc\Core\Util.cpp(966) : error C2666: 'Upp::Vector<T>::operator []' : 4 overloads have similar conversions
        with
        [
            T=Upp::String
        ]
        c:\upp\uppsrc\core\Vcont.h(49): could be 'Upp::String &Upp::Vector<T>::operator [](int)'
        with
        [
            T=Upp::String
        ]
        c:\upp\uppsrc\core\Vcont.h(48): or 'const Upp::String &Upp::Vector<T>::operator [](int) const'
        with
        [
            T=Upp::String
        ]
        or 'built-in C++ operator[(Upp::String *, Upp::dword)'
        or 'built-in C++ operator[(const Upp::String *, Upp::dword)'
        while trying to match the argument list '(Upp::Vector<T>, Upp::dword)'
        with
        [
            T=Upp::String
        ]
```

This error message I get with MSC8. MSC10 compiles without Problems. But MSC8 is default when installing TheIDE from new.