koldo wrote on Tue, 27 March 2018 09:08Hello all

Please check if we handle Daylight saving time properly in Windows.

I have checked it in C: local NTFS disk from Windows 10 and actual code does not report right hour.
However, from a Linux virtual machine, same code report properly the file time :)

Actual code for Windows:Time::Time(FileTime filetime) {
 SYSTEMTIME tm;
 FileTime ft;
 FileTimeToLocalFileTime(&filetime, &ft);
 FileTimeToSystemTime(&ft, &tm);
 *this = Time(tm.wYear, tm.wMonth, tm.wDay, tm.wHour, tm.wMinute, tm.wSecond);
}
Proposed code:Time::Time(FileTime filetime) {
 SYSTEMTIME tm, tml;
 FileTimeToSystemTime(&filetime, &tm);
 SystemTimeToTzSpecificLocalTime(NULL, &tm, &tml);

 *this = Time(tml.wYear, tml.wMonth, tml.wDay, tml.wHour, tml.wMinute, tml.wSecond);
}
See this:To account for daylight saving time when converting a file time to a local time, use the following sequence of functions in place of using FileTimeToLocalFileTime:

   FileTimeToSystemTime
   SystemTimeToTzSpecificLocalTime

Can you give me some context? E.g. testcase?

So far, I have tried with FileSel and time is reported correctly (for file that I have just saved and I have DST active here).

Mirek