Subject: Re: How to get TimeZone
Posted by forlano on Thu, 04 Jun 2020 18:33:29 GMT
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I needed that function to get the UTC offset. Perhaps I could have better formulated the question.
Online I found this program that does the trick (tested in Windows with CLANG)


```
#include <iostream>

int time_offset()
{   // reference:
    // https://stackoverflow.com/questions/13804095/get-the-time-zone-gmt-offset-in-c
    time_t gmt, rawtime = time(NULL);
    struct tm *ptm;

#if !defined(WIN32)
    struct tm gbuf;
    ptm = gmtime_r(&rawtime, &gbuf);
#else
    ptm = gmtime(&rawtime);
#endif
    // Request that mktime() looksup dst in timezone database
    ptm->tm_isdst = -1;
    gmt = mktime(ptm);

    return (int)difftime(rawtime, gmt);
}

int main(int argc, const char *argv[])
{
 printf("UTC offset = %d\n", time_offset()/3600);
}
```


In my case (Italy) it gives the correct answer.
It seems those function automatically take into account the DST :roll:
I hope to not be in a case where a hour is missing.

Luigi