

# Is timeGetTime monotonic and uniform?

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I'm looking for a way to measure durations on Windows (i.e. differences between start and end time)  
The stock `GetSystemTimeAsFileTime` is not appropriate, as the result will be incorrect if the system time is adjusted, e.g. due to the time service starting (or manual adjustment).

Next candidate is `GetTickCount()`. I know this runs over after 47d, but I wonder whether the description "milliseconds since the system has started" is really correct, given that it also says "This value is also affected by adjustments made by the `GetSystemTimeAdjustment` function."

Next candidate is `timeGetTime()`. It has nearly the same description as `GetTickCount`, but without the remark that it is influenced by `GetSystemTimeAdjustment`. Does that mean it is not influenced by time adjustments? Or did they just leave that out of the description?

Are there any other functions I should use?

Regards,  
Martin

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