Is there anything better than GetThreadTimes for obtaining per-thread CPU usage information?

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A customer was using the **GetThreadTimes** function for high-resolution profiling of performance-sensitive code, but found that its accuracy is rather poor. They were hoping there would be something more along the lines of a **QueryPerformanceCounter** that reported only CPU time consumed by a particular thread, rather than by the system in general.

Fortunately, there is. <u>The QueryThreadCycleTime function</u> gives you the CPU cycles consumed by a particular thread. This includes time spent both in user mode and in kernel mode.

Note, however, that these values are reported directly from the CPU using mechanisms like RDTSC or <u>the performance monitor control register</u>. This means that the actual results are at the mercy of whatever the CPU manufacturer decides the CPU cycle counter means. Maybe they correspond to wall clock time; maybe they don't.

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