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× PC, Windows Application 가 .

- Application
- Serial
- 

  

- PC
- Windows

- **Windows Timer Resolution**
- Windows Timer 15.625ms Resolution 가 ,
- , 1ms Sleep 15ms 16ms Sleep 가
- Sleep Time
- Visual Studio Timer Resolution 1ms

Solution (ComiIDE)

- **Shell TimerResolution** ,

Soultion (C++)

```
// timeBeginPeriod
// 1ms 가
// 0.5ms Resolution NtSetTimerResolution

#define TARGET_RESOLUTION 1 // 1-millisecond target resolution

TIMECAPS tc;
UINT wTimerRes;

if (timeGetDevCaps(&tc, sizeof(TIMECAPS)) != TIMERR_NOERROR)
{
    // Error; application can't continue.
}

wTimerRes = min(max(tc.wPeriodMin, TARGET_RESOLUTION), tc.wPeriodMax);
timeBeginPeriod(wTimerRes);

// do your stuff here at approx. 1 ms timer resolution
timeEndPeriod(wTimerRes);
```

Solution (C#)

```
[DllImport("ntdll.dll", SetLastError = true)]
private static extern NtStatus NtSetTimerResolution(
```

```
uint DesiredResolution,  
bool SetResolution,  
ref uint CurrentResolution);  
  
public static float SetTimerResolution(uint timerResolutionIn100nsUnits, bool doSet = true)  
{  
    //          100ns  
    // 1ms      SetTimerResolution(10000);  
    // Enum NtStatus      ,      int  
  
    uint currentRes_100ns = 0;  
    var result = NtSetTimerResolution(timerResolutionIn100nsUnits, doSet, ref currentRes_100ns);  
    return currentRes_100ns;  
}
```

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