Subject: Re: SetTimeCallback failure on arch=armv5l POSIX_PLATFORM
Posted by mirek on Thu, 26 Jun 2008 16:16:13 GMT
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jlfranks wrote on Thu, 26 June 2008 10:25
We put cout statements in the code during debug and found
that overflow did not occur because of the following code
in Util.cpp

The reset to a correct value must occur earlier than the
range of the int because of the modulo math in GetTickCount().


```
#ifdef PLATFORM_POSIX
int GetTickCount() {
 struct timeval tv[1];
 struct timezone tz[1];
 memset(tz, 0, sizeof(tz));
 gettimeofday(tv, tz);
 return tv->tv_sec % 1000000 * 1000 + tv->tv_usec / 1000;
}
#endif
```


--jlf

Excellent, thanks! That is it...

Anyway, I guess it is rather worth fixing this function and make it return dword. I believe this
should do the trick:


```
dword GetTickCount() {
 struct timeval tv[1];
 struct timezone tz[1];
 memset(tz, 0, sizeof(tz));
 gettimeofday(tv, tz);
 return (dword)tv->tv_sec * 1000 + tv->tv_usec / 1000;
}
```


Can you confirm?

Mirek