
Subject: Re: Little problem in util.cpp and simple solution

Posted by [mirek](#) on Tue, 17 Apr 2012 08:03:21 GMT

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Zbych wrote on Tue, 17 April 2012 03:45 Removing sign bit like this:

```
int msec(int from) { return int((GetTickCount() - (dword)from) & 0x7fffffff); }
```

is not a good idea. There are some places in up that rely on sign bit (e.g. httcli):

```
if(msec(end_time) >= 0) {  
~~~~~  
    error = NFormat("Timeout reading footer block (%d B).", body.GetLength());  
    break;  
}
```

While in other places msec is used incorrectly (httpcli again):

```
while(msec() < end_time) {
```

Someone forgot that ticks wrap every ~50 days (or ~25 days if sign bit is masked).

Thanks, correct, reverted and hopefully places where wrap applies fixed (please check).

Mirek
