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

Posted by [Zbych](#) on Tue, 17 Apr 2012 07:45:23 GMT

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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 upp that rely on sign bit (e.g. httcli):

```
if(msecs(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(msecs() < end_time) {
```

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

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