Subject: Re: Intentionally inconstistent use of "Atomic" in Mt.h?
Posted by Werner on Sat, 16 Feb 2008 16:36:24 GMT
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luzr wrote on Sat, 16 February 2008 17:03Well, but you should not directly assign Atomic to int, you should rather use AtomicRead...

A misunderstanding? If so, sorry for expressing the issue insufficiently!

I'm talking about the all the "Atomic..." functions in Mt.h, i. e.

AtomicDec,
AtomicInc,
AtomicRead,
AtomicWrite,
AtomicXAdd.

They all have an "Atomic&" as parameter but treat it with an "int" and/or return an "int".

If - and this is the case when using the MSC - "Atomic" is a "long" in disguise, namely typedef'd, implicit casts are inevitable.

I would prefer explicit casts or at least casts which are obvious to me. That is why I suggest to replace the "int" arguments and/or return types with "Atomics".

Werner

P. S.:
"AtomicDec", "AtomicInc", and "AtomicXAdd" are "global" functions. If you discourage their usage, you should document that.

W.