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Subject: Re: Intentionally inconsistent use of "Atomic" in Mt.h?

Posted by [mirek](#) on Sat, 16 Feb 2008 16:03:21 GMT

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Werner wrote on Sat, 16 February 2008 07:19All the Atomic... functions in Mt.h (be it WIN32 or POSIX) return int - but shouldn't it be Atomic?

The type of Atomic depends:

MT & POSIX: `_Atomic_word` -> int

MT & WIN32: `LONG` -> long

ST & POSIX: int

ST & WIN32: int

Indeed the called WIN32 functions `Interlocked...` return long. So, to avoid implicit casts it might be preferable to adapt the return type of the Atomic... functions. If I then assign an Atomic to an int, I am seeing what I am doing.

Werner

Well, but you should not directly assign Atomic to int, you should rather use `AtomicRead...`

Mirek