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Subject: New allocator...

Posted by [mirek](#) on Tue, 27 May 2008 17:46:40 GMT

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After encountering the shortcomings of memory allocator in heavily multithreaded apps, I have implemented a new one (already 5th .

There are two advantages:

- allocator is non-locking for in-thread allocations, only remote-free locks
- false sharing - cacheline contention - is no more a problem.

Moreover, surprisingly it is a bit faster in single-threaded apps too.

However, this is a very fragile piece of code (took me 7 days to develop those 800 lines), I have tested it in a test with one billion allocations; anyway if you have any mission critical software, I recommend to backup Core to your app nest (so that older version will be used) (and wait a week or two

Mirek

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