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Subject: Re: Simple class to handle variables used by different threads

Posted by [sergeynikitin](#) on Wed, 26 Aug 2015 03:01:26 GMT

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For me:

- 1) I decide, that common variables of all threads, I place to ThreadStore (analog of your ThreadSafe).
- 2) Most of variables not needed to place to ThreadStore class and it's locals for thread.
- 3) I plan and program custom processing for every member-variable of ThreadStore class.

Note (1), that most of Container type (Vectors, Arrays, Indexes) are not thread-safe!!!

Note (2), that Write/Read barrier is needed same way as mutexes/semafors for synchronisation data access. (Mutex/semafors - prevent inter-thread collision, Write/Read barriers - prevent inter-processor-cores collisions)

Your class uses only Write/Read barriers.

If you place under mutex of all ThreadSafe class and all it's member, then performance is become loss. Custom variable processing more fast and safe way.

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PS

If I'm mistaken - pls correct.