Subject: Re: Simple class to handle variables used by different threads
Posted by mirek on Tue, 25 Aug 2015 13:44:23 GMT

koldo wrote on Tue, 25 August 2015 00:13Thank you Mindtraveller and Mirek

In summary, could a general all purpose thread safe class be like this?

```
template <class T>
class ThreadSafe {
public:
 ThreadSafe()   {}
 ThreadSafe(T v)  {val = v;}
 void operator=(T v) {
  mutex.EnterWrite();
  val = v;
  mutex.LeaveWrite();
 }
 operator T() {
  T tmp;
  mutex.EnterRead();
  tmp = val;
  mutex.LeaveRead();
  return tmp;
 }
 operator++()....

private:
 volatile T val;
 RWMutex mutex;
};
```

The problem is this does not solve many issues.... (like, almost nothing :)

Mirek