
Subject: Re: Use same variable in different threads
Posted by [gprentice](#) on Sun, 12 Dec 2010 00:57:03 GMT
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Hi Didier

This compiles for me with MSC10 and GCC something. I had to change operator= to get it to compile. It's ok for CV qualification to increase so it *should* compile.
BTW - it's a little bit confusing that on Win32, Atomic is declared as long but the Atomic functions have int parameters. Possibly operator int() below could be operator Atomic(), to be more platform independent.

```
class AtomicVar
{
private:
    Atomic val;
public:
    AtomicVar() {};

    AtomicVar( const AtomicVar& p) { AtomicWrite(val, AtomicRead(p.val)); }
    template <class T>
    AtomicVar& operator=(const T& p) { AtomicWrite(val, p); return *this; }

    operator int() {return AtomicRead(val); }

};
```

Graeme
