
Subject: MT

Posted by [mirek](#) on Tue, 17 Mar 2009 12:36:08 GMT

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I have added two MT synchronization primitives that were missing:

ConditionVariable (posix semantics, implemented for Win32 using per-thread semaphores)

LazyUpdate (this one is my invention and is important everywhere mutable evaluation caches are used - but I will have to put it where it belong yet...

Mirek

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 12:21:11 GMT

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After update windows version with MINGW I cannot compile any project with MT flag. (testcase - reference\SQL_MySql).

It write:

----- MySql (MT GCC DEBUG DEBUG_FULL BLITZ WIN32) (1 / 5)

MySql.cpp

In file included from C:\upp\uppsrc\Core\Core.h:401,

from C:\upp\uppsrc\Sql\Sql.h:4,

from C:\upp\uppsrc\MySql\MySql.h:6,

from C:\upp\uppsrc\MySql\MySql.cpp:1:

C:\upp\uppsrc\Core\Mt.h:237: error: ISO C++ forbids declaration of 'sCVWaiter_' with no type

C:\upp\uppsrc\Core\Mt.h:237: error: expected ';' before '*' token

MySql: 1 file(s) built in (0:03.15), 3157 msec / file, duration = 4302 msec

There were errors. (0:04.37)

when I click on error string, I see :

```
class ConditionVariable {
    Mutex          mutex;
    friend struct sCVWaiter_;
```

```
sCVWaiter_ *head, *tail;
```

```
~~~~~ this line call error.
```

```
public:
```

```
void Wait(Mutex& m);
```

```
void Signal();
```

```
void Broadcast();
```

```
ConditionVariable();
~ConditionVariable();
};
```

Can you help me to resolve this error.

Subject: Re: MT
Posted by [mirek](#) on Fri, 20 Mar 2009 13:37:03 GMT
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sergeynikitin wrote on Fri, 20 March 2009 08:21After update windows version with MINGW I cannot compile any project with MT flag. (testcase - reference\SQL_MySql).

It write:

```

----- MySQL ( MT GCC DEBUG DEBUG_FULL BLITZ WIN32 ) ( 1 / 5 )
MySQL.cpp
In file included from C:\upp\uppsrc\Core/Core.h:401,
               from C:\upp\uppsrc/Sql/Sql.h:4,
               from C:\upp\uppsrc/MySQL/MySQL.h:6,
               from C:\upp\uppsrc/MySQL/MySQL.cpp:1:
C:\upp\uppsrc\Core/Mt.h:237: error: ISO C++ forbids declaration of 'sCVWaiter_' with no type
C:\upp\uppsrc\Core/Mt.h:237: error: expected ';' before '*' token
MySQL: 1 file(s) built in (0:03.15), 3157 msecs / file, duration = 4302 msecs

```

There were errors. (0:04.37)

when I click on error string, I see :

```
class ConditionVariable {  
    Mutex          mutex;  
    friend struct sCVWaiter_;  
  
    sCVWaiter_ *head, *tail;  
    ~~~~~~ this line call error.  
public:  
    void Wait(Mutex& m);  
    void Signal();  
    void Broadcast();  
  
    ConditionVariable();  
    ~ConditionVariable();  
};
```

Can you help me to resolve this error.

MT and Mingw are incompatible.

Mirek

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 13:43:10 GMT

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Yet it was excellent. At the SVN version 745 all compiled fine

Subject: Re: MT

Posted by [mirek](#) on Fri, 20 Mar 2009 13:47:22 GMT

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Well, I have only tested with "candidate" mingw - and I got a bunch of errors regarding TLS variables (something else).

I guess I could try previous mingw version, I believe TLS worked there. Yet, is is frustrating when such important feature gets dropped...

Mirek

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 13:47:52 GMT

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It's a pity. I have found a version of the Windows version to run under WINE, and all seem to be working well.

Do I have to install a monster MSC?

Maybe there is some alternative solution?

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 13:52:33 GMT

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I do not like Microsoft.

Subject: Re: MT
Posted by [masu](#) on Fri, 20 Mar 2009 13:54:08 GMT
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Add another struct keyword to *head and *tail declarations, this should fix the problem.

Matthias

Subject: Re: MT
Posted by [mirek](#) on Fri, 20 Mar 2009 13:54:17 GMT
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Well, whatever...

Fixed.

```
class ConditionVariable {  
    Mutex          mutex;  
    friend struct sCVWaiter_;  
  
    struct sCVWaiter_ *head, *tail;  
  
public:  
    void Wait(Mutex& m);  
    void Signal();  
    void Broadcast();  
  
    ConditionVariable();  
    ~ConditionVariable();  
};
```

Mirek

Subject: Re: MT
Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 13:57:24 GMT
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It's market.I write commercial software for users of Windows.

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 13:59:02 GMT

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During the conversation I unnoticeable Fix of problem.

Ran test.

Subject: Re: MT

Posted by [sergeynikitin](#) on Fri, 20 Mar 2009 14:04:38 GMT

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Patch is WORK!!!

Thanks!!!
