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Subject: Re: Select Grid Row BY ID

Posted by [Oblivion](#) on Thu, 11 May 2017 18:57:30 GMT

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It looks like a concurrency problem (a serialization issue) from here. But hard to say...

Are you running multiple worker threads? Is the method where your thread code resides executed more than once?

If so, one thread may be altering the grid or SQL db (removing an entry and invalidating the iterators/indices), while the other one sleeps.

This can happen any time, right in the middle of your loop if you don't serialize access to shared data using mutexes.

Or it might be that the worker threads outlive the data objects (grid, or SQL).

For the sake of simplicity I'll give you a minimal example.

The following code MAY or MAY NOT lead to crash, for we can't be sure how long the thread will take to finish.

```
MyApp::MyMethod()
{
    String text; // String will be destroyed when when MyMethod returns().

    Thread().Run([=] {
        // Do something that takes time.
        text = "hello world"; // This may or may not lead to crash. Because the thread may
outlive the text object and MyMethod.
    });
}
```

So you'll need to take into consideration all kinds of concurrency problems.

If you can provide a simple example (and a very small dummy database) reproducing the crash, I'll look into it and try to help.

Regards,

Oblivion.

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