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Subject: What`s the corect way to use TimingInspector?

Posted by [akebee](#) on Wed, 13 Jun 2012 14:00:20 GMT

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I use TimingInspector like this:

```
TimingInspector tm;
```

```
tm.Start();  
//Do some function  
tm.End();  
Cout()<<tm.Dump()<<"\n";
```

```
tm.Start();  
//Do some function  
tm.End();  
Cout()<<tm.Dump()<<"\n";
```

```
tm.Start();  
//Do some function  
tm.End();  
Cout()<<tm.Dump()<<"\n";
```

Every time it cout the min time, max time, and the average time.

BUT NO each time ????

waht can i do ? thks!!!

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Subject: Re: What`s the corect way to use TimingInspector?

Posted by [dolik.rce](#) on Wed, 13 Jun 2012 15:54:34 GMT

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Hi akebee

I'm not sure if I understand correctly what are you trying to achieve, but I think there might be a misunderstanding about how TimingInspector works. It is not just a simple stopwatch. It gathers multiple timings of repeated actions (the intervals between Start() and End() calls) and makes up some statistics at the end. The Dump() method is automatically called in destructor, so it dumps the results into the log (see Debug>View the logfile or press Alt+L in TheIDE). If you want to measure times of more than one distinct things, you have to create multiple Timing inspector instances.

Another thing is that TimingInspector is not usually used directly. There is a macro TIMING(label) which simplifies the measurements. The usage is simple, it just measures the times between the line where it is specified and end of current scope (that is till next '}'). E.g.:#include <Core/Core.h> using namespace Upp;

```
void DoSomething(){
```

```
TIMING("timer_in_DoSomething");
// do something here
}

CONSOLE_APP_MAIN{
    for(int i = 0; i<500; i++)
        DoSomething();
}
```

Note that timing works in Debug mode only, if you want to profile application build in Optimal mode, you can use RTIMING, the syntax and behavior is the same.

Hope that helps

Best regards,  
Honza

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Subject: Re: What`s the corect way to use TimingInspector?  
Posted by [akebee](#) on Thu, 14 Jun 2012 05:21:25 GMT  
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yeh  
I understand,use the macro,that's very reasonable.  
Thanks a lot for your explanation

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Subject: Re: What`s the corect way to use TimingInspector?  
Posted by [mirek](#) on Fri, 15 Jun 2012 11:47:42 GMT  
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BTW, perhaps you would want to use TimeStop instead.

Mirek

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Subject: Re: What`s the corect way to use TimingInspector?  
Posted by [akebee](#) on Wed, 20 Jun 2012 10:59:13 GMT  
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i see,the TimeStop is better

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