

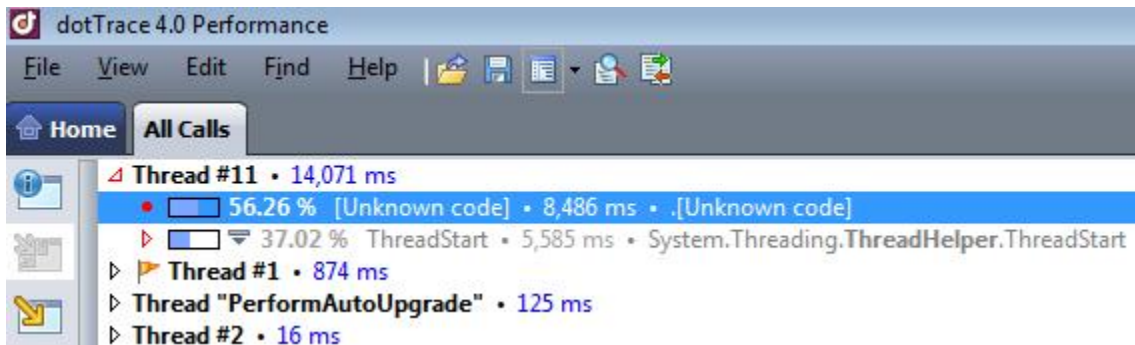
>50% of time spent in unknown code?



[Geoff Hart](#) 4 posts since

Mar 12, 2010

I'm working analyzing the performance using 4.0.547.70 in Vista-64 on a VB.Net .Net 2.0 application. I am running thread time sampling and there is one thread of interest that is doing all the processing. When I look at the results, it is showing most that half the time in Unknown Code. That is really not very helpful to have such a high percentage of the time obscured like that. Is it possible to find out what the program is doing during that time?



Thanks,

Geoff



[Oleg Stepanov](#) 71 posts since

May 6, 2003 1. Re: >50% of time spent in unknown code? Mar 12, 2010 6:31 PM

Hi Geoff,

This actually most likely means that at these moments there either were not managed frames on stack (i.e. native code was executed) or there were managed frames, but the

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currently executing function is native and has FPO on, so the stack walker couldn't go up and figure out the managed stack. We will change wording to "[Native or optimized code]" in future builds.

WBR, Oleg



[Geoff Hart](#) 4 posts since

Mar 12, 2010 2. Re: >50% of time spent in unknown code? Mar 12, 2010 9:29 PM

Hi,

Thanks for the clarification on the meaning; updating the wording would help a lot.

Is it possible to figure out what the code is doing during that ~50% of the time? Knowing it's probably in native code is one thing, but it's hard to optimize a project that's spending half it's time in native code if you don't have some idea what it's trying to do. Can I see this in a different tracing mode maybe?

Thanks,

Geoff



[Oleg Stepanov](#) 71 posts since

May 6, 2003 3. Re: >50% of time spent in unknown code? Mar 15, 2010 12:48 PM

Hi Geoff,

Since dotTrace is currently a purely managed profiler, we don't show what native code is executed. We have plans to add native profiling support later, but currently we don't have it.

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Actually since these are most likely purely native call stacks, this may happen if you have a native host which runs your managed code and it might not be relevant to your application.

WBR, Oleg