Subject: profiler
Posted by J.D. Smith on Thu, 29 Oct 1998 08:00:00 GMT
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Anyone else noticed that:

profiler,'module'

doesn't work but

profiler, 'MODULE'

does?

I thought IDL was supposed to be case insensitive!

--
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Subject: Re: Profiler
Posted by Pavel A. Romashkin on Fri, 19 Oct 2001 05:50:13 GMT
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Its been a while, nobody answered. Have you tried it, Ken?
I only profiled perfectly debugged code (yeah, right) in order to optimize it. I never felt the need to profile line by line, it was obvious from the profile which part of the code was casuing the drag.

Cheers,
Pavel

"K. Bowman" <k-bowman@null.tamu.edu> wrote in message news:171020011420157099%k-bowman@null.tamu.edu...
> Can anyone tell me if the IDL profiler will profile on a line-by-line
> basis (rather than just at the routine level)?
>
> If I select one user routine and all the built-in routines to profile,
> will it profile only the calls to the built-in routines within the
> selected user routine, or throughout the whole code?
>
> Thanks, Ken Bowman

Subject: Re: Profiler
Posted by K. Bowman on Fri, 19 Oct 2001 20:11:16 GMT
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In article <9qoeu3$hm8$1@mwrns.noaa.gov>, Pavel Romashkin
<pavel.romashkin@noaa.gov> wrote:

> Its been a while, nobody answered. Have you tried it, Ken?
> I only profiled perfectly debugged code (yeah, right) in order to optimize
> it. I never felt the need to profile line by line, it was obvious from the
> profile which part of the code was casuing the drag.

We have not figured out how to profile line-by-line. Doesn't seem to
be possible Turning on all the system routines, etc. didn't help
either for this problem.

We have resorted to the simple expedient of commenting out blocks of
code (where it won't affect the computation) or moving blocks of code
into temporary subroutines. In our case, at least, it has turned out
to be relatively simple to isolate the computationally-intensive block.

We have discovered a couple of minor algorithmic optimizations that we
are testing.

Ken

Subject: Re: Profiler
Posted by Pavel A. Romashkin on Fri, 19 Oct 2001 21:23:15 GMT
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Ken,

I just tried the simpliest thing that came to my mind. I set a
breakpoint to the first line of a program, then set profiler to profile
all. When you do one-stepping through the code, profile log updates for
every line. I just had to make its window active (click on it) for it to
update. You could use Step over if you didn't want to profile user procedures.

Hope this helps. Surely beats chopping code into dozens of separate
routines :-)

Cheers,
Pavel

"K. Bowman" wrote:
>
> In article <9qoeu3$hm8$1@mwrns.noaa.gov>, Pavel Romashkin

> <pavel.romashkin@noaa.gov> wrote:
>
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> to be relatively simple to isolate the computationally-intensive block.
>
> We have discovered a couple of minor algorithmic optimizations that we
> are testing.
>
> Ken

Subject: Re: Profiler
Posted by Paul Woodford on Sun, 21 Oct 2001 03:01:31 GMT
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I recently used trace to figure out where I was slowing down. Set it to
run with no delay, and then watch to see which line it pauses on.

Paul

Subject: Re: Profiler
Posted by K. Bowman on Mon, 22 Oct 2001 18:37:18 GMT
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In article <3BD099C3.6557B059@noaa.gov>, Pavel A. Romashkin
<pavel.romashkin@noaa.gov> wrote:

> Ken,
>
> I just tried the simpliest thing that came to my mind. I set a
> breakpoint to the first line of a program, then set profiler to profile
> all. When you do one-stepping through the code, profile log updates for
> every line. I just had to make its window active (click on it) for it to
> update. You could use Step over if you didn't want to profile user procedures.
>

> Hope this helps. Surely beats chopping code into dozens of separate
> routines :-)

While not entirely click-free, that sounds like it will do the trick.

Ken
