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Subject: Re: First results of TPC code profiling  
Posted by [Felix Boehmer](#) on Sat, 08 Jan 2011 10:32:35 GMT  
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Hi Stefano,

I first tried to use TMemStat, but for some reason I could not even get it to work. I hoped that in this way I would be able to directly associate events and memory consumption.

The plot you see was created with the google performance tools and pprof. It works by replacing the normal libc malloc for the program you want to examine, thus enabling heap analysis. This can be done by a LD\_PRELOAD environment variable, so no re-compiling or re-linking is necessary.

However, it takes a while...

I have not tried DPM yet simply for time reasons. The generator used will of course not change the task behavior. But I do believe that with DPM you will get a lot more TPC objects (all the slow protons!) and will probably run into these kind of memory problems much quicker / more often.

I hope I could help to at least make things a little clearer.

Cheers,

Felix

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