
Subject: Re: IDL_IDLBridge: No gain?

Posted by [dg86](#) on Mon, 12 Aug 2013 15:16:04 GMT

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On Monday, August 12, 2013 11:05:08 AM UTC-4, fawltyl...@gmail.com wrote:

> On Monday, August 12, 2013 3:59:43 PM UTC+2, David Grier wrote:

>

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>

>> Why does the execution time for one bridge depend on the number of bridges running simultaneously?

>

>

>

> Some IDL routines are multithreaded, they are using all CPU cores. If your bridges use mainly these MT routines, their are competing for the CPU cores. Running N bridges means that each bridge gets only 1/Nth of the total CPU resources, so each bridge will be slower.

>

>

>

> regards,

>

> Lajos

Ahh, that makes sense. That also would explain why the scaling does not get much worse when the number of bridges exceeds the number of cores.

Sounds like it's time for me to get to work with PROFILER.

All the best,

David
