Subject: Re: IDL process stalls Posted by jeanh on Sat, 27 Nov 2010 20:30:53 GMT

View Forum Message <> Reply to Message

On 27/11/2010 11:29 AM, trisb wrote:

> Hi everyone,

>

- > I have a problem with a very resource-intense IDL program. It uses
- > several Gigs of RAM (sometimes including swap memory) and runs at
- > around 100% CPU for a long time (ie. days). In most cases the program
- > runs just fine without problems, however sometimes it stalls. There
- > has been no exception or error thrown, it just 'hangs' in the middle
- > of the main loop of the program. The only thing that happens is that
- > the program seems still running but nothing happens anymore.
- > Incidentally the CPU and memory load goes down which indicates that it
- > somehow "lost contact". But, as mentioned, IDL itself doesn't stop or
- > note that anything went wrong. I wonder if it is related to other
- > memory-loaded tasks running on the same machine on a different CPU.
- > My questions: Did anyone have the same problem already? Any idea how
- > to trace the problem? I should mention that the code runs on IDL 7.0
- > on ubuntu, 8GB RAM, intel Quadcore.

>

>

- > Thanks for your suggestions.
- > T.

last time I had this kind of problem, the hard disk was full... memory swap became a problem (not too sure why) and eventually nothing would respond anymore

Jean

Subject: Re: IDL process stalls

Posted by trisb on Sun, 28 Nov 2010 04:59:00 GMT

View Forum Message <> Reply to Message

On Nov 27, 12:30 pm, jeanh

<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

- > On 27/11/2010 11:29 AM, trisb wrote:
- >
- >
- >
- >> Hi everyone,

>

>> I have a problem with a very resource-intense IDL program. It uses

- >> several Gigs of RAM (sometimes including swap memory) and runs at
- >> around 100% CPU for a long time (ie. days). In most cases the program
- >> runs just fine without problems, however sometimes it stalls. There
- >> has been no exception or error thrown, it just 'hangs' in the middle
- >> of the main loop of the program. The only thing that happens is that
- >> the program seems still running but nothing happens anymore.
- >> Incidentally the CPU and memory load goes down which indicates that it
- >> somehow "lost contact". But, as mentioned, IDL itself doesn't stop or
- >> note that anything went wrong. I wonder if it is related to other
- >> memory-loaded tasks running on the same machine on a different CPU.

>

- >> My guestions: Did anyone have the same problem already? Any idea how
- >> to trace the problem? I should mention that the code runs on IDL 7.0
- >> on ubuntu, 8GB RAM, intel Quadcore.

>> Thanks for your suggestions.

> >> T.

>

- > last time I had this kind of problem, the hard disk was full... memory
- > swap became a problem (not too sure why) and eventually nothing would
- > respond anymore
- > Jean

Thanks for the suggestion. There's still 100GB left on the hard drive.

I wonder if there is some problem with memory (de-)allocation when swapping. Just a guess.

Τ.