

Re: NT Service Problem

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- *From:* Joseph M. Newcomer <newcomer@xxxxxxxxxxxxx>
 - *Date:* Mon, 11 Sep 2006 10:33:27 -0400
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How do you update the thread count, by the way? If you don't use InterlockedIncrement there are certain risks.

I'm curious why you keep creating new threads. Also, I don't see where you are closing the thread handle, which is going to lead to eventual failure.

Again, there isn't really enough information here; you need to attach a debugger and catch the failure directly.

Log files are an excellent idea, but they won't help if the application crashes before you log the reason it is going to crash. The typical technique for a log file is

open file

append text

close file

for every update to the log file; you just don't open it and keep writing, because if the app crashes there is no guarantee that the data is out there successfully. The log file might help home in on what is really going on and you might spot the problem, but you may still need to use the debugger.

joe

On Mon, 11 Sep 2006 11:15:00 GMT, "David" <FlyLikeAnEagle@xxxxxxxxxxxxx> wrote:

Susanna,

Your ServerUpdates method appears to be okay. There could be something hidden that prevents the shutdown but a debugger is the likely next step.

I'd perform one more test before going to the debugger. Try commenting out the lines related to beginthread. If your service can now be shut down properly the problem is in SvrUpdateThreadProc.

When faced with such a misbehavior I usually choose to add to my log files. In your case I'd add all kinds of logs for the beginning and ending of threads and all the major resources that are allocated.

Debuggers are terrific tools when you have a problem you can examine but rather useless tools when the problem doesn't fail for you. I've

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seen more than my share of programs that work on the development and test systems but fail at some point for the customer. You also need to be able to determine what happens with your code when it is released into the wild.

David

On Mon, 11 Sep 2006 09:26:02 UTC, Susanna <Susanna@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

```
void MyService::ServerUpdates()  
{  
  
    CDatabase db
```