

## Re: How do I gently terminate a thread???

**Source:** <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.general/2004-05/0706.html>

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**Date:** 05/07/04

Date: Fri, 07 May 2004 19:08:08 GMT

Hi,

"Ryan Gregg" <rgregg@wheatlandsystems.com> wrote in message  
news:%23gZ3MCFNEHA.1644@TK2MSFTNGP09.phx.gbl...

> *Say for instance I have a thread that I fire off that's running some loop  
of  
> code that's monitoring status or something. I know I could define a  
> variable in a shared address space, and have that loop until the variable  
> goes false or something, which would then have the thread exit. Is there  
a  
> way though without using this method to cause a thread to shut down  
without  
> calling Abort() ?*

You could throw an exception that is only caught in the main method of the  
your thread, then just return.

Or, if you wait on WaitHandle-s, you join with other threads or you sleep a  
lot (Thread.Sleep), you could call Thread.Interrupt. The next wait, join or  
sleep on the thread will then throw a ThreadInterruptedException. Beware of  
general exception handlers that could catch this exception and ignore it.

The nice thing about Thread.Abort is that it throws a  
ThreadAbortedException, which is a special kind of exception. It will be  
rethrown when caught until the thread exits, or until you call  
Thread.ResetAbort.

Cheers,

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Tom Tempelaere.