Subject: Re: How to check whether application is running
Posted by nlneilson on Wed, 16 Jan 2013 16:02:45 GMT

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Alboni wrote on Wed, 16 January 2013 03:29
 CloseHandle(mutex);

lectus wrote on Wed, 16 January 2013 05:38The app needs to delete the file before finishing.

Alboni wrote on Wed, 16 January 2013 06:44
Disadvantage is that the program doesn't want to start anymore after a crash,

Spent many hours related to this. That is ending a thread correctly.

CloseHandle(mutex);
delete the file before finishing
etc.

Which results in:
program doesn't want to start anymore after a crash,

A thread in many respects is like a separate application.
If it is not ended correctly it causes problems like an app cannot be started again until that thread is closed.

Or for something like a GPS USB receiver if the thread that it is run in does not close that port connection there is no easy way to close that except to pull the plug.

If a socket server has a port open another instance of that app or any other app that uses that port will not run unless error handling changes to another port number.

The best way I have found to close a thread is from INSIDE that thread.

There are many ways to check if an app is running but if that app crashes it can leave something hanging. Task Manager in Win, System Manager in Ubuntu, etc. is good if you know what you are looking for to close that thread.

To deploy an app this needs to be considered and have error handling and even instruction for a user.

If there is some 'magic' option it would be good to know.