
Subject: Re: How to check whether application is running

Posted by [kohait00](#) on Fri, 13 Aug 2010 14:21:12 GMT

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i used in my app stuff like this:

which is exactly what Mindtraveler described. code snippet like this can be found online in many places..

the name define doesn't really matter, it was only for me. it has to be something unique though, being sure no one else will ever use on your system except you.

with `SINGLE_APPINSTANCE` you can enable or disable this behaviour

```
//at beginning of your program#define SEMAPHORE_UNIQUE
"Global\\LIPANv2Unique_2FA34E51"
```

```
#ifdef SINGLE_APPINSTANCE
#ifdef PLATFORM_WIN32
    USemh = OpenSemaphore(STANDARD_RIGHTS_ALL, FALSE, SEMAPHORE_UNIQUE);
    if(USemh == NULL)
        USemh = CreateSemaphore(NULL, 0, 1, SEMAPHORE_UNIQUE);
    else
    {
        wq & THISBACK1(Closer, "Application already started!!"); //prepare
        return;
    }
#elif defined(PLATFORM_POSIX)
#endif
#endif
```

```
//program runtime....
```

```
//at end of your program
#ifdef SINGLE_APPINSTANCE
#ifdef PLATFORM_WIN32
    if(USemh != NULL)
        CloseHandle(USemh);
    USemh = NULL;
#elif defined(PLATFORM_POSIX)
#endif
#endif
```