
Subject: Ctrl::Quit() and system shutdown

Posted by [jjacksonRIAB](#) on Wed, 29 Feb 2012 10:06:51 GMT

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How do I override a system shutdown to prompt a user, for example, to save their files?

Quit() does not seem to be called when I do a system shutdown, log off, or reboot on either Windows or Linux.

Just using modified example code:

```
#include <CtrlLib/CtrlLib.h>
```

```
using namespace Upp;
```

```
#define IMAGECLASS Tray
```

```
#define IMAGEFILE <TrayIcon/tray.ipl>
```

```
#include <Draw/ipl.h>
```

```
struct App : TrayIcon {
```

```
    virtual void LeftDouble() {
```

```
        Icon(Tray::Icon1());
```

```
        PromptOK("TrayIcon launched this prompt!");
```

```
        Icon(Tray::Icon());
```

```
    }
```

```
    virtual void Quit() {
```

```
        PromptOK("Quitting...");
```

```
    Break();
```

```
    }
```

```
    virtual void LeftDown() {
```

```
        Info("TrayIcon", "You have clicked the TrayIcon!\n""TrayIcon is U++ reference example.");
```

```
    }
```

```
    virtual void Menu(Bar& bar) {
```

```
        bar.Add("Info..", THISBACK(LeftDouble));
```

```
        bar.Separator();
```

```
        bar.Add("Exit", THISBACK(Quit));
```

```
    }
```

```
typedef App CLASSNAME;
```

```
App() {
```

```
    Icon(Tray::Icon());
```

```
    Tip("This is U++ TrayIcon");
```

```
}
```

```
};  
  
GUI_APP_MAIN  
{  
    App().Run();  
}
```

If I shutdown, the PromptOK window never shows, but it does show when I select Exit...

Subject: Re: Ctrl::Quit() and system shutdown
Posted by [BioBytes](#) on Wed, 29 Feb 2012 15:32:56 GMT
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Hi,

EyeCare the sample of TrayIcon application is derived from TopWindow. So did you this in your code ?

```
virtual void Close() {  
    PromptOK("Quitting...");  
    TopWindow::Close();  
    //Break();  
}
```

Regards
Biobytes

Subject: Re: Ctrl::Quit() and system shutdown
Posted by [jjacksonRIAB](#) on Wed, 29 Feb 2012 16:11:29 GMT
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The code I posted is just another example, slightly modified:

[http://www.ultimatepp.org/reference\\$TrayIcon\\$en-us.html](http://www.ultimatepp.org/reference$TrayIcon$en-us.html)

Maybe the difference is that only TopWindow-derived controls can receive WM_QUERYENDSESSION and TrayIcon cannot?

I cannot call TopWindow::Close because TrayIcon is not TopWindow-derived, and I cannot make it TopWindow-derived using multiple inheritance either.

Subject: Re: Ctrl::Quit() and system shutdown

Posted by [jjacksonRIAB](#) on Wed, 29 Feb 2012 16:38:18 GMT

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Ok I created a quick TopWindow-derived app and it does interrupt shutdown. TrayIcon does not receive that event.

I will embed the TrayIcon in a TopWindow control and that should take care of the problem.

Thanks!
