

How does a program ask for administrator privileges?

Asked 16 years, 3 months ago Modified 12 years, 11 months ago

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3



I am working on a small application in VB.NET. The program needs administrator privilege for doing some tasks. Is there a way to ask for administrator privileges during the execution if the program?

What is the general way of changing the user account under which the application is running?

windows

vb.net

privileges

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edited Sep 18, 2008 at 7:43



Marcio Aguiar

14.5k ● 6 ● 40 ● 42

asked Sep 18, 2008 at 7:23



Niyaz

54.8k ● 56 ● 152 ● 183

2 Appears that you have posted the same question twice:
stackoverflow.com/questions/90674/... – Serhat Ozgel Sep 18, 2008 at 7:26

4 Answers

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7

You can specify this in your application's manifest file.

Check out [this link](#) and [this link](#) and [this link](#) too.



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answered Sep 18, 2008 at 7:25

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J D OConal

624 ● 4 ● 14



3

There are a number of methods depending on your needs. Some details are given in [the application developer requirements for UAC](#).



1. Include a UAC manifest that causes your program to require administrator privileges at startup.

2. Use one of the suggested methods for invoking an elevation to run out of process. One of the nicest is to use [the COM elevation moniker](#) and

`CoCreateInstanceAsAdmin` to call methods on a COM object running as an administrator. This is possibly tricky to get working in VB.Net. I got it working ok in C++ though

3. Another ok method is to isolate the parts of your code that need admin privileges into an application that uses a UAC manifest to require admin privileges. Your main app does not need to run as an admin in that case. When you require admin

privilege, you would invoke the external application.

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answered Sep 18, 2008 at 7:29

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1800 INFORMATION

135k ● 30 ● 163 ● 242

I used the Method 3, but it only works on Win7, it does not work on Vista, instead, giving me "System.ComponentModel.Win32Exception (0x80004005) the requested operation requires elevation" – Peter Lee Mar 27, 2011 at 7:10

I'm pretty sure Windows also won't allow you to redirect standard input/output/error across the admin/non-admin security boundary. You'll have to find a different way to get output from the program running as admin - Reference: stackoverflow.com/a/8690661 – Kiquenet Aug 28, 2014 at 9:27

@Kiquenet yes you are probably right, you would normally communicate using COM in that case by method 2 if you needed that kind of communication, but there are lots of other ways that could also be made to serve – 1800 INFORMATION Aug 28, 2014 at 21:45



1



Try

```
Dim procInfo As New ProcessStartInfo
procInfo.UseShellExecute = True
procInfo.FileName = 'Filename here
procInfo.WorkingDirectory = ""
procInfo.Verb = "runas"
Process.Start(procInfo)
Catch ex As Exception
    MsgBox(ex.Message.ToString(), vbCr
```



End Try
End If

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edited Jan 18, 2012 at 9:55

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Curtis

103k ● 68 ● 276 ● 357

answered Jul 26, 2010 at 10:50



AnOnYmOuS

11 ● 1



0



The most easy way to do this is to click on the Project tab
-> Add Windows Form -> .XML file -> name it (program
name).manifest -> paste this code in this [link](#) into it (thanks JDOConal) -> then right click on your project
name in the solution explorer box off to the right and hit
properties -> on the first tab select manifest and then the
.manifest file you created -> build = done!

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answered May 21, 2011 at 0:01

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ilk

2,561 ● 8 ● 37 ● 44