

Re: Get current logged-in user

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.general/2006-10/msg00941.html>

- *From:* Lattis <Lattis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 30 Oct 2006 11:21:01 -0800
-

I am referring to the person physically attached.

Its a windows 2000 terminal server with 3 users connected. 1 in front of the server and another 2 with thinclients. Each user logs on with a different login account. They all run an application that starts with an application loader that launches that application as a different user (lets say application_user). This application in turn starts another one where I need to know the user name of the current session (The user that originally launched the application)

I tried your suggestion but it is not easy for me to understand how to read the buffer after I call the WTSUserName. I have searched everywhere and there are no examples that use WTSUserName!!

The code I use is the following:

```
Imports System
Imports System.Runtime.InteropServices
Namespace TerminalServer
```

```
Friend Class Utilities
```

```
Public Enum WTS_INFO_CLASS
```

```
WTSInitialProgram
WTSApplicationName
WTSWorkingDirectory
WTSOEMId
WTSsessionId
WTSUserName
WTSWinStationName
WTSDomainName
WTSConnectState
WTSClientBuildNumber
WTSClientName
WTSClientDirectory
WTSClientProductId
WTSClientHardwareId
WTSClientAddress
```

Re: Get current logged-in user

```
WTSCliendisplay
WTSCliendisplay
End Enum
```

```
<DllImport("Wtsapi32.dll")> _
Public Shared Function WTSQuerySessionInformation(ByVal hServer As
System.IntPtr, ByVal sessionId As Integer, ByVal wtsInfoClass As
WTS_INFO_CLASS, ByRef ppBuffer As System.IntPtr, ByRef pBytesReturned As
System.UInt32) As Boolean
End Function
```

```
<DllImport("Kernel32.dll")> _
Public Shared Function WTSGetActiveConsoleSessionId() As Integer
End Function
```

```
<DllImport("wtsapi32.dll")> _
Public Shared Sub WTSFreeMemory(ByVal memory As IntPtr)
End Sub
```

```
Public Const WTS_CURRENT_SERVER_HANDLE As Integer = -1
```

```
Friend Shared Function GetUserName() As String
Dim buffer As System.IntPtr = IntPtr.Zero
Dim bytesReturned As System.UInt32
Dim UserName As String
```

```
Dim sessionID As Integer = WTSGetActiveConsoleSessionId()
```

```
Try
Dim sessionInfo As Boolean =
WTSQuerySessionInformation(System.IntPtr.Zero, sessionID,
WTS_INFO_CLASS.WTSUserName, buffer, bytesReturned)
UserName = ' This is were I dont know what to do!
Catch
Return True
Finally
WTSFreeMemory(buffer)
buffer = IntPtr.Zero
End Try
Return UserName
End Function
End Class
End Namespace
```

Any help GREATLY appreciated.

Thanks

Lucas

Re: Get current logged-in user

Re: Get current logged-in user

"Jani Järvinen [MVP]" wrote:

Lucas,

User A is logged in to a windows 2000 terminal. He runs an application which runs under the credentials of a different user. If I try to see the current user through the application I can only see the user that started the thread. How can I see the user that is logged in??

By "terminal", do you mean a physical PC, a user running cmd.exe (the "DOS prompt"), or a server with Terminal Services and/or Citrix MetaFrame running? Because Windows operating systems since NT4 can support multiple users at the same time, there can be multiple explorer.exe's running at the same time. Which of these users do you want? Also, does the application that you refer to impersonate another user or not?

See this blog entry for discussion about the problem:

<http://blogs.msdn.com/oldnewthing/archive/2006/08/22/712677.aspx>

Now, my guess is that you are referring to the person physically attached to the PC and his/her username, and in this case you could use the Terminal Services (Win32) API functions WTSGetActiveConsoleSessionId and WTSQuerySessionInformation:

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/termserv/termserv/wtsquerysessioninformation>

First, you would call WTSGetActiveConsoleSessionId to get a session identifier to the active console session (if any) and then given the session ID, you would call WTSQuerySessionInformation with the WTSUserName enumeration. This might be the information that you are looking for, though I'm not exactly sure. Of course, you would need to use P/Invoke from .NET code to get to these unmanaged API functions.

As for reference to others, to easily get the name of the user that is running your application, you can use these properties in .NET:

- Environment.UserName
- System.Windows.Forms.SystemInformation.UserName
- or System.Security.Principal.WindowsIdentity.GetCurrent().Name

The last one returns the domain/computer name along with the username; the two former ones only return the username.

Hope this helps!

Re: Get current logged-in user

--

Regards,

Mr. Jani Järvinen

C# MVP

Helsinki, Finland

`jani@xxxxxxxxxxxxxxxxxxxxxxxxxxxx`

<http://www.saunalahti.fi/jani/>