

## Re: How to get current drive mapping

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2007-03/msg03078.html>

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- *From:* Dave <Dave@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Tue, 20 Mar 2007 04:35:05 -0700
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Yes, I also thought of that, but, as you say, without the user's logon password it can't work.

Willy Denoyette suggests I use WMI. Sadly there are also problems with that (see my last post) because of a bug that requires a hotfix. Nevertheless, if the bug is fixed then allegedly WMI can get the information I need – which begs the question, how does WMI get the information? If WMI can get it from the operating system, then surely an application should also be able to get it directly from the OS without going through WMI.

--

Dave

"Nicholas Paldino [.NET/C# MVP]" wrote:

Dave,

The only way I can think of possibly doing this would be to impersonate the user that ran the process and then run WNetGetUniversalName while impersonating. However, in order to do that, you will have to have access to each user's username (easy) and password (not so easy) so you can make the call to LogonUser.

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– Nicholas Paldino [.NET/C# MVP]  
– mvp@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

"Dave" <Dave@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
<news:5DBE7799-5B44-4AC4-B187-47B520A9A0C5@xxxxxxxxxxxxxxxx>

Thanks Nicholas, but I think you've slightly misunderstood – I don't have a "client process" – I am getting a list of the currently running processes and trying to find out where they were run from. I've looked at WNetGetUniversalName but it has the same problem as WNetGetConnection which I am using now – it will only resolve drive

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mappings  
for the current logon session.  
The Process.Mainmodule.FullPath gives me the location, but (for some  
strange  
reason) with a drive letter not a UNC. I can find the user account of the  
process, and the sessionID, so surely it must be possible to find the  
current  
drive mapping for that logon session and thus the UNC path. (Of course,  
the  
mapping may have changed since the process was started, but there's not  
much  
I can do about that)  
--  
Dave

"Nicholas Paldino [.NET/C# MVP]" wrote:

Dave,

Unfortunately, the only option that you have here is to have  
the  
client  
process do the resolution of the mapped drive to the UNC  
path. You can  
do  
this on the client with the WNetGetUniversalName API  
function (you will  
have  
to make the call through the P/Invoke layer).

Hope this helps.

--  
- Nicholas Paldino [.NET/C# MVP]  
- mvp@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

"Dave" <Dave@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in  
message  
[news:5D025924-A27A-4942-900F-FEE0EFBAA80E@xxxxxxxxxxxxxxxxxxxx](mailto:news:5D025924-A27A-4942-900F-FEE0EFBAA80E@xxxxxxxxxxxxxxxxxxxx)

I am actually trying to get the UNC path of  
the main module of a process  
running from a mapped drive, and I am  
trying to do this from a service.  
The  
ProcessModule class only provides the full  
path with the mapped drive  
letter,

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but the drive letter refers to the drive mapping for the user that started

the process, and cannot be resolved to a UNC path from a service running under LocalSystem.

Presumably, therefore, I need to get the drive mapping either for the user

account associated with the process, or possibly even for the process's session ID (I am not clear whether mappings are per user or per session).

Can anyone give me a clue as to how I go about this?

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Dave