

## Re: Sharing folders in Windows CE 5.0

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2007-03/msg00186.html>

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- *From:* "Alexander T. Bussmann [MSFT]" <[alexbu@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:alexbu@xxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 16 Mar 2007 17:11:55 -0700
- 

I think that there are a few more things we can try here:

First you do not need the Remote Registry Editor or the RemoteAdmin tool to configure the SMB Server. All you need are to add the registry settings I outlined into your project.reg file. Each time you boot the device these settings will be used to initialize the SMB Server. IF you do change the registry settings when the device is running then you need to restart the SMB Server.

If you open a build window from Platform Builder and go to the %\_FLATRELEASEDIR%. Make sure that your common.reg file doesn't have a UseAuthentication=dword:1 line in it. It shouldn't but I just want us to be sure.

Also, what platforms are you connecting here. CE client to CE server, XP client to CE server? I can see that you are trying to share out your hard drives root. Can you try to share out \\windows or \\temp?

Thanks,  
Alexander T. Bussmann [MSFT]

"Don" <[Don@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:Don@xxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:AB40B1A5-4BBB-4BBF-BA14-46F775CE9A65@xxxxxxxxxxxxxxxxxxxx](mailto:news:AB40B1A5-4BBB-4BBF-BA14-46F775CE9A65@xxxxxxxxxxxxxxxxxxxx)

Hi Alexander,

I followed the instructions at the following link:

<http://msdn2.microsoft.com/en-us/library/aa450272.aspx>  
<http://msdn2.microsoft.com/en-us/library/aa451153.aspx>  
<http://msdn2.microsoft.com/en-us/library/ms899610.aspx>  
<http://msdn2.microsoft.com/en-us/library/ms899601.aspx>

The following is my Project.reg file. It is still necessary for me to use RemoteAdmin to unlock permissions on the shared drive. I do plan to follow the instructions that you gave. But I do doubt this method because you say to change the registry with the Remote registry Editor. I don't think I have a registry which remains after a Power Cycle. Does this double have any merit? Do I need a Registry that remains after a Power Cycle to make this work?

;

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```
; Copyright (c) Microsoft Corporation. All rights reserved.
;
;
; Use of this sample source code is subject to the terms of the Microsoft
; license agreement under which you licensed this sample source code. If
; you did not accept the terms of the license agreement, you are not
; authorized to use this sample source code. For the terms of the license,
; please see the license agreement between you and Microsoft or, if
; applicable,
; see the LICENSE.RTF on your install media or the root of your tools
; installation.
; THE SAMPLE SOURCE CODE IS PROVIDED "AS IS", WITH NO WARRANTIES.
;
;[HKEY_LOCAL_MACHINE\Ident]
;"Name"=LOC_DEFAULTDEVICENAME
;"Desc"=LOC_DEFAULTDEVICEDESC

; Redirector settings
[HKEY_LOCAL_MACHINE\Comm\Redir]
; Expose \NETWORK dir for mapped resources
"RegisterFSRoot"=dword:1

; Set memory thresholds for Hibernation
[HKEY_LOCAL_MACHINE\SYSTEM\Hibernation]
"Bytes"=dword:20000
"Pages"=dword:28

IF BSP_DISPLAY_MQ200 !
; CS_SAVEBITS implemented. GWES restores screen bits on power on
; Options here are:
; 0 : OAL must deal with saving/invalidating bits between power on/off
; 1 : GWES will restore screen bits on power on
; 2 : Entire screen invalidated on power on
[HKEY_LOCAL_MACHINE\system\gwe]
"PORepaint"=dword:1
ENDIF BSP_DISPLAY_MQ200 !

; Let Start/Settings/Control Panel Auto Expand

[HKEY_LOCAL_MACHINE\Explorer]
"ExpandControlPanel"=dword:0
[HKEY_LOCAL_MACHINE\Ident]
"Name"="XYZCEDEVICE"
"Desc"="Windows CE Test Device (ICOP)"
"OrigName"="WindowsCE"
[HKEY_LOCAL_MACHINE\Services\Smbserver]
"AdapterList"="*"
"dll"="smbserver.dll"
"Keep"=dword:1
```

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```
"Order"=dword:9
[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares]
"UseAuthentication"=dword:0
[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares\HDD]
"Path"="\\Hard Disk"
"Type"=dword:0
"UserList"="@*;"
[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares\HDD1]
"Path"="\\Hard Disk2"
"Type"=dword:0
"UserList"="@*;"
;[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares\Share]
;"UserList"="Don;"
;"ROUserList"=""
;"Type"=dword:0
;"Path"="Temp"
```

```
[HKEY_LOCAL_MACHINE\Windows CE Tools]
"Platform"="{356145cf-f1f4-44d4-bd1c-36f5aab1fac4}"
```

--  
Don

"Alexander T. Bussmann [MSFT]" wrote:

Hi Don,

<quote>

I have decided to abandon Windows CE 5.0 development and move on to 6.0 since I absolutely need to be able to share folders over ethernet without the RemoteAdmin Tool. Is the documentation for 5.0 still relevant or should I be

looking somewhere else for information on how to share file in 6.0?

</quote>

You do not need the RemoteAdmin tool to share folders over ethernet. Please help me to understand the precise steps you are using to recreate your problem.

I have posted the steps that I have used to share a folder and disable authentication on it, here:

<http://blogs.msdn.com/cenet/archive/2007/03/13/disabling-authentication-for-windows-ce-6-0-file>

Alexander T. Bussmann [MSFT]  
Visit <http://blogs.msdn.com/cenet>

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"Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:EAD07A59-9349-4678-A894-32BCBC8AD303@xxxxxxxxxxxxxxxxxxxx  
> Hi Alexander,  
>  
> I have now recreated the problem in Windows CE 6.0. How do I fix it?  
>  
> "Alexander T. Bussmann [MSFT]" wrote:  
>  
>> Hi Don,  
>>  
>> I have verified some things with respect to UseAuthentication=0 in CE  
>> 5.0.  
>> Unfortunately this does not work and it is known broken in CE 5.0. We  
>> did  
>> make the fix for CE 6.0. There are no updates for this issue in CE >> 5.0.  
>>  
>> What errors are you seeing from the Remote Admin component?  
>>  
>> Sorry for the inconvenience,  
>> Alexander T. Bussmann [MSFT]  
>>  
>> "Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>  
news:6CDCBF72-3197-4782-9DB5-3C21336948D0@xxxxxxxxxxxxxxxxxxxx  
>>> Hi Alexander,  
>>>  
>>> Thanks for your help.  
>>> I went through the process of creating the file server and still I  
>>> believe  
>>> the registry key  
>>>  
>>> [KEY\_LOCAL\_MACHINE\Services\SMBServer\Shares]  
>>> "UseAuthentication"=dword:0  
>>>  
>>> Is not working.  
>>>  
>>> I then went back to the documentation concerning this as a known >>>  
issue  
>>> that  
>>> has been resolved.  
>>> Apparently the issues has been solved in the april update for >>>  
Platform  
>>> Builder. Since in this documentation it suggests that the update >>>  
will  
>>> not  
>>> work unless all previous Platform Builder updates have been >>>  
installed.  
>>> This  
>>> got me thinking that I have been making a mistake by not installing >>>  
> all  
>>> the

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>>> updates for Platform Builder 5.0. The other thing is I had all >>> ready  
>>> installed the april update before reading it carfully. I am not >>> sure  
>>> if  
>>> you  
>>> can install updates out of order? So intalled the updates that come >>>  
as  
>>> one  
>>> file for 2005. Then I installed the updates from 2006. I checked >>>  
the  
>>> clean  
>>> before building option in Platform Builder and rebuild the image. I  
>>> still  
>>> had to use the remoteadmin utility to set permissions in order to >>>  
map  
>>> it  
>>> on  
>>> my XP machine but to my suprise the other thing which I had been  
>>> working  
>>> on  
>>> which is the mounting of the OS onto the compact flash started >>>  
working.  
>>> I  
>>> thought to my self, updates are good! I then downloaded the January  
>>> update  
>>> for this year rebuilt the OS and now the RemoteAdmin utility gives >>>  
> me  
>>> errors  
>>> when I try to open it on my XP machine. Does anyone have any ideas  
>>> about  
>>> why?  
>>> (A) the registry key  
>>> [KEY\_LOCAL\_MACHINE\Services\SMBServer\Shares]  
>>> "UseAuthentication"=dword:0  
>>> is not working  
>>> (B) the ability to run RemoteAdmin has stopped. I believe due to >>>  
the  
>>> January update for Platfrom Builder  
>>> -- >>> Don  
>>>  
>>>  
>>> "Alexander T. Bussmann [MSFT]" wrote:  
>>>  
>>>> Hi Don,  
>>>>  
>>>> You can do this by creating the necessary registry settings and >>>>  
adding  
>>>> them  
>>>> to your project.reg file before you create your image.  
>>>>  
>>>> Here are the links:  
>>>>

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>> >> <http://msdn2.microsoft.com/en-us/library/aa450272.aspx>  
>> >> <http://msdn2.microsoft.com/en-us/library/aa451153.aspx>  
>> >> <http://msdn2.microsoft.com/en-us/library/ms899610.aspx>  
>> >> <http://msdn2.microsoft.com/en-us/library/ms899601.aspx>  
>> >>  
>> >> Reading the full-thread it seems that you were having problems with  
>> >> this.  
>> >> Please let me know if you are unable to configure server still with  
>> >> this  
>> >> information and where you are getting stuck.  
>> >>  
>> >> Also, what file sharing scenario are you trying to get working? CE >>  
>> >> to  
>> >> CE,  
>> >> XP to CE?  
>> >>  
>> >> Thanks,  
>> >> Alexander T. Bussmann [MSFT]  
>> >>  
>> >>  
>> >> "Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>> >>  
>> >> [news:9611CC8F-CE64-4666-8F0A-0444FF19CA5D@xxxxxxxxxxxxxxxxxxxx](mailto:news:9611CC8F-CE64-4666-8F0A-0444FF19CA5D@xxxxxxxxxxxxxxxxxxxx)  
>> >> >> Hi Ryan.  
>> >> >>  
>> >> >> I was wondering if you have made any progress on this issue. >> >>  
>> >> >> This  
>> >> >> issue  
>> >> >> has  
>> >> >> now become my top priority. I would really appreciate any help >>  
>> >> >> you  
>> >> >> can  
>> >> >> give.  
>> >> >>  
>> >> >> -- >> >> >> Don  
>> >> >>  
>> >> >>  
>> >> >> "Ryan Ward (MSFT)" wrote:  
>> >> >>  
>> >> >> Don,  
>> >> >>  
>> >> >> I am unable to provide an answer for you regarding your query.  
>> >> >> I'll  
>> >> >> continue to look into it and try to find a solution.  
>> >> >>  
>> >> >> For now, I would suggest you set your file server up using the  
>> >> >> RemoteAdmin  
>> >> >> utility. Make sure your device is set to load an existing image  
>> >> >> (as  
>> >> >> oppose  
>> >> >> to downloading a new image every time) and not clearing the

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>>>> registry  
>>>> hive  
>>>> when reset. This will ensure the changes you make to your image  
>>>> remain  
>>>> intact. These should be options in your devices bootloader or >>  
>>>> if  
>>>> you  
>>>> are  
>>>> always connected to Platform Builder change the following Core  
>>>> Service  
>>>> Settings in the Connectivity Options: Under "Download Image" to  
>>>> "Never  
>>>> (jump  
>>>> to image only)" and under "KITL Settings", uncheck "Clear  
memory >>>> on  
>>>> reset"  
>>>>  
>>>> Ryan  
>>>> — >>>>  
>>>> This posting is provided "AS IS" with no warranties, and confers  
>>>> no  
>>>> rights.  
>>>>  
>>>> Use of included script samples are subject to the terms >>>>  
specified  
>>>> at  
>>>> <http://www.microsoft.com/info/cpyright.htm>  
>>>>  
>>>> "Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>>>  
[news:C33CEB11-693C-4800-96F5-3115D1808199@xxxxxxxxxxxxxxxxxxxx](mailto:news:C33CEB11-693C-4800-96F5-3115D1808199@xxxxxxxxxxxxxxxxxxxx)  
>>>> > Hi Ryan  
>>>> >  
>>>> > Now that I am sharing files successfully. Is there away to >>>>  
>>>> > set  
>>>> > up  
>>>> > the  
>>>> > file  
>>>> > sharing so that I don't have to use RemoteAdmin everytime I >>  
>>>> > boot  
>>>> > my  
>>>> > device  
>>>> > in  
>>>> > order to share  
>>>> > a directory. Ideally I would like to share a folder that any  
>>>> > user  
>>>> > can  
>>>> > access regardless of there user or password without using  
>>>> > RemoteAdmin.  
>>>> > In  
>>>> > other words is there a way to set up the registry with the

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>>>>> > changes  
>>>>> > that  
>>>>> > the  
>>>>> > RemoteAdmin tool is making. In the RemoteAdmin tool I notice  
>>>>> > that  
>>>>> > users  
>>>>> > come up with permissions denied and you have to change it to  
>>>>> > allow.  
>>>>> > Is  
>>>>> > there  
>>>>> > a way for Windows CE to just keep these settings after a >>>>>  
>>>>> > reboot.  
>>>>> > -- >>>>>> Don  
>>>>> >  
>>>>> >  
>>>>> > "Ryan Ward (MSFT)" wrote:  
>>>>> >  
>>>>>> > Hi Don,  
>>>>>> >  
>>>>>> > May I ask what OS Design template you used? If it was one >>>>>  
>>>>>> > with  
>>>>>> > an  
>>>>>> > UI  
>>>>>> > and  
>>>>>> > Internet Explorer (e.g. Enterprise Web Pad) then you could  
>>>>>> > remotely  
>>>>>> > administer the SMB File Server settings. To do this you will  
>>>>>> > need  
>>>>>> > to  
>>>>>> > add  
>>>>>> > SYSGEN\_SMB\_UI and rebuild your image.  
>>>>>> >  
>>>>>> > 1.) Boot the image, browse to  
>>>>>> > [http://%device\\_ip\\_addr%/RemoteAdmin](http://%device_ip_addr%/RemoteAdmin)  
>>>>>> > where  
>>>>>> > %device\_ip\_addr% is the WinCE ip addr you pinged >>>>>>  
>>>>>> > (alternatively,  
>>>>>> > you  
>>>>>> > could  
>>>>>> > put the DeviceName instead of the IP Addr).  
>>>>>> > 2.) Enter a password for the administrator, [Apply]. The  
>>>>>> > service  
>>>>>> > will  
>>>>>> > restart itself.  
>>>>>> > 3.) Login using 'admin' and the password from step 2.  
>>>>>> > 4.) You may need to update the image name, [Apply]  
>>>>>> > 5.) Edit the publicly facing adapter with "Add/Del Network  
>>>>>> > Adapter"  
>>>>>> > 6.) Edit user accounts with "Add/Del Users" (I created a  
>>>>>> > tempuser  
>>>>>> > here)

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>>>>> 7.) Edit your file share with "Add/Del Shares" (I created a  
>>>>> share  
>>>>> called  
>>>>> Public that pointed to my \Temp)  
>>>>>  
>>>>> Note: You will need to Allow user accounts access to the >>>>  
>>>>> shares  
>>>>> (by  
>>>>> default  
>>>>> they will be denied). I added my tempuser account from step  
>>>>> 6  
>>>>> here.  
>>>>>  
>>>>> Then from my XP box: net use \* \\MyDeviceName\Public >>  
>>>>> /u:tempuer  
>>>>> %pwd%  
>>>>>  
>>>>> You can set a Network ID that you CE image can use to access  
>>>>> other  
>>>>> resources  
>>>>> by going to the Owner applet in the Control Panel, then  
>>>>> selecting  
>>>>> the  
>>>>> Network ID tab.  
>>>>>  
>>>>> One other thing, did you include SYSGEN\_REDIRE in your  
image?  
>>>>>  
>>>>> Ryan  
>>>>> -- >>>>>>>  
>>>>> This posting is provided "AS IS" with no warranties, and >>>>  
>>>>> confers  
>>>>> no  
>>>>> rights.  
>>>>>  
>>>>> Use of included script samples are subject to the terms  
>>>>> specified  
>>>>> at  
>>>>> <http://www.microsoft.com/info/copyright.htm>  
>>>>>  
>>>>> "Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in  
message  
>>>>>>>  
[news:DC6B5D4E-F300-4019-9300-79D0E84C976B@xxxxxxxxxxxxxxxxxxxx](mailto:news:DC6B5D4E-F300-4019-9300-79D0E84C976B@xxxxxxxxxxxxxxxxxxxx)  
>>>>>>> > Hi Ryan  
>>>>>>>  
>>>>>>> > The documentation you pointed me to says  
>>>>>>>  
>>>>>>> > AdapterList : REG\_SZ Provides a list of network adapters  
>>>>>>> > separated  
>>>>>>> > with a

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