

Re: CreateFile() returns ERROR_ACCESS_DENIED to the user

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Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2006-11/msg00254.htm>

- *From:* "anton bassov" <soviet_bloke@xxxxxxxxxxx>
 - *Date:* 13 Nov 2006 14:26:49 -0800
-

Don,

Actually, a simpler way is to use IoCreateDeviceSecure with a SDDL string that allows general users access.

In this particular situation, such approach is more reasonable – I admit. However, I think the OP may need to modify access to various kernel objects on more than one occasion in his future career, so it would be a good idea for him to learn how to do it. In fact, I just wonder how he managed to write a driver, in the first place – he seems to be struggling with the basic NT concepts.....

Anton Bassov

Don Burn wrote:

Actually, a simpler way is to use IoCreateDeviceSecure with a SDDL string that allows general users access.

--

Don Burn (MVP, Windows DDK)
Windows 2k/XP/2k3 Filesystem and Driver Consulting
<http://www.windrvr.com>
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"anton bassov" <soviet_bloke@xxxxxxxxxxx> wrote in message
news:1163454664.839974.119450@xx

Do i must modify user rights or driver rights ????

Re: CreateFile() returns ERROR_ACCESS_DENIED to the user

In actuality, none of the above....

You have to modify not user rights and DEFINITELY not driver rights, but access permission to your target device (i.e. its ACL) Check MSDN, namely, GetSecurityInfo()/SetSecurityInfo(), plus SetEntriesInAcl(), for more info

Anton Bassov

SteM wrote:

Thanks Anton,
my guess was that, at least, open, close and DeviceIoControl was allowed

....

How can i solve ?

Do i must modify user rights or driver rights ????

Thanks

—

SteM

"anton bassov" <soviet_bloke@xxxxxxxxxxx> ha scritto nel messaggio
news:1163436308.076405.201750@xx

Hi mate

This is just absolutely normal default behaviour – limited users have no access to devices by default. If you want non-privileged users to gain access to it, you have to EXPLICITLY allow the above (it is understandable that it can be done only from the Admin account)

Anton Bassov

SteM wrote:

Hello,
I've written a small wdm driver for Win2000 to access an old custom hw

on

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parallel port.
The accesses are via a
couple of DeviceIoControl()
custom commands.
It works fine, does exactly
what i intended; however, it
only works
if I

am

logged in as Administrator
(or equivalent).
If I log in as a regular user
(Power User) the call to
CreateFile
fails

with

ACCESS_DENIED.

```
// Open driver
rv = CreateFile (
ifDetail->DevicePath,
0, // Desidered access
0, // Share mode
NULL, // Security attrb
CREATE_NEW, // How to
create
FILE_FLAG_DELETE_ON_CLOSE,
// File attribute
NULL // Template file
);

if
(rv==INVALID_HANDLE_VALUE)
{
.....
```

Thanks in advance for any
pointers...
--
SteM

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