

Re: How do I load a third party driver in Windows CE 6.0

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2007-04/msg00287.html>

- *From:* Don <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 26 Apr 2007 12:52:01 -0700
-

Hi Bruce,

I had a look at the link to the documentation you sent a link to and I looked in common.reg I think I need to add the following register entry
[HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients\1905_1956\Default\Default\XYZ]
"DLL"="USB485.dll"

to get my dll to load since my vendor id is 0x1905 and my Product id is 0x1956. Am I on the right track here?

—
Don

"Bruce Eitman [eMVP]" wrote:

```
[HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients]
[Default]
[Default]
[3]
[Generic_Sample_Hid_Class_Driver]
"DLL"="USBHID.dll"
```

Doesn't mean what you interpreted it to mean. Nor does it suggest all of the values that you put into the registry. The square brackets indicate sub-keys, granted in an odd way. So what that really is:

```
[HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients\Default\Default\3\Generic_Sample_Hid_Class_Driver]
"DLL"="USBHID.dll"
```

Where the Default values are for Product and Vendor IDs, Class ID and Interface ID, but in this case it indicates any Product and Vendor ID and class id. The 3 is the interface id.

<http://msdn2.microsoft.com/en-us/library/ms894085.aspx>

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Take a look in common.reg for examples of this.

--

Bruce Eitman (eMVP)
Senior Engineer
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Applied Data Systems
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An ISO 9001:2000 Registered Company
Microsoft WEP Gold-level Member

"Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:B9C65A50-6D14-4DBE-81F8-4B69BB62350B@xxxxxxxxxxxxxxxxxxxx

Hi Bruce,
I read the documentation here.

<http://msdn2.microsoft.com/en-us/library/aa918154.aspx>

I though if I matched the parameters of the device that I am trying to
plug
into the usb in the
HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients and gave the name
of my dll
I would get a dll to load. I guess this isn't right? So let me turn the
question around. What do I have to do in the registry to get my dll to
load?

--

Don

"Bruce Eitman [eMVP]" wrote:

No.

What documentenation are you refering to?

That key is the root of where you need to put your keys, but I
can't
cross
reference what you have done enough to try to straighten you
out.

--

Bruce Eitman (eMVP)
Senior Engineer
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Applied Data Systems

Re: How do I load a third party driver in Windows CE 6.0

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"Don" <Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
news:49E9D7FD-5C32-47D2-911F-CD5AB12DCF64@xxxxxxxxxxxxxxxxxxxx

Hi Bruce,

What I am getting from the documentation is
if I add the following
registry
entry

```
[HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients]
"VendorID"=dword:1905
"ProductID"=dword:1956
"DeviceClass"=dword:0
"DeviceSubClass"=dword:0
"DeviceProtocol"=dword:0
"Dll"="myusbdevicedriver.dll"
```

then myusbdevicedriver.dll will get loaded
when I attach my USB device.

Is
this true?

--
Don

"Bruce Eitman [eMVP]" wrote:

You need a USB Host Class
driver since you will be
plugging it into
the
USB
Host, not USB Function.

--
Bruce Eitman (eMVP)
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DOT net

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Re: How do I load a third party driver in Windows CE 6.0

Microsoft WEP Gold-level
Member

"Don"

<Don@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:039868F2-2505-402B-AA1B-1FFC05C04189@xxxxxxxxxxxxxxxxxxxx

Hi,

I have been
reading
some of the
documentation
for USB
drivers. It
is
unclear to
me which
type of
drivers I
need to read
and write
the end
points
described
below for
my USB to
485
converter. I
think I need
a USB
Function
Serial
Client
Driver can
anyone
confirm?

Device
Descriptor:
bcdUSB:
0x0110
bDeviceClass:
0x00
bDeviceSubClass:
0x00
bDeviceProtocol:
0x00
bMaxPacketSize0:

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0x08 (8)
idVendor:
0x1905
idProduct:
0x1956
bcdDevice:
0x0400
iManufacturer:
0x01
iProduct:
0x02
iSerialNumber:
0x03
bNumConfigurations:
0x01

ConnectionStatus:
DeviceConnected
Current
Config
Value: 0x01
Device Bus
Speed: Full
Device
Address:
0x01
Open Pipes:
2

Endpoint
Descriptor:
bEndpointAddress:
0x81
Transfer
Type: Bulk
wMaxPacketSize:
0x0040 (64)
bInterval:
0x00

Endpoint
Descriptor:
bEndpointAddress:
0x02
Transfer
Type: Bulk
wMaxPacketSize:
0x0040 (64)
bInterval:
0x00

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--
Don

"amag"
wrote:

Serial
communications
USB-drivers
typically
goes
into:

[HKEY_LOCAL_MACHINE\Drivers\USB\LoadClients\<X>

where
<X>
is
the
USB
vendor
id
in
decimal(!)
and
<Y>
is
the
device
id
in
decimal.

But
you
should
probably
check
what
values
you
need
with
FTDI.
At
least
you'll
need

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the
Dll-value:

```
"Dll"="mydrv.dll"
```

Btw
have
you
tested
communication
with
the
driver,
last
I
checked
FTDI
wasn't
to
eager
to
provide
CE6
implementations
of
their
drivers.

Hope
it
helps,

/AM

"Don"
wrote:

Hi,

I
have
a
USB
to
485
converter
with
a
FTDI
chip

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on
it.
FTDI
supplies
an
inf
file
and
a
dll
that
supports
windows
CE.
Currently
I
have
to
copy
the
inf
and
dll
file
to
the
windows
directory
and
when
I
plug
the
USBto485
converter
in
a
window
pops
up
and
I
have
to
type
the
name
of
the
dll
in

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that
window
and
it
works.
I
would
like
this
to
be
more
automatic.
I
am
assuming
that
I
can
modify
a
bib
file
in
my
project
and
get
the
files
in
the
windows
directory,
but
how
do
I
make
it
so
the
window
does
not
come
up
asking
me
for
the

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name
of
the
dll?
Are
there
registry
entries
I
can
add
so
the
dll
is
already
present?
--
Don