

Re: Remote DCOM on WinCE 6.0

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2008-09/msg00242.html>

- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
 - *Date:* Tue, 30 Sep 2008 08:56:43 -0700
-

I think it will help if you describe in detail what you mean by that. For example, on which end do you want to set the properties?

Paul T.

"MilanvdM" <MilanvdM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:F6D968BA-7252-4D3B-AF30-64C60EECDE2E@xxxxxxxxxxxxxxxxxxxx

Thanks for you answers, Paul. In the mean time, we've succeeded in loading a local server in dllhost.exe. Now we're focussing on loading the server from a remote client. Now we are focussing on setting user properties for launching the server remotely. If there's someone who knows how to do this, please respond. Thanks.

"Paul G. Tobey [eMVP]" wrote:

Well, I haven't done that as much. You certainly will need to have a unique name on the network, as in the client case. You probably also need to use NTLMSetUserInfo() to create a user name/password combination that matches the identity that the client will be using. You'd also need to arrange for allowing the selected user name to start the server or, at least, access the server remotely. I don't remember how this is done, specifically, though. Your debug log may be indicating something, there...

Paul T.

"MilanvdM" <MilanvdM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

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news:F8A1D61B-DBF2-477D-83C7-98C2CF005538@xxxxxxxxxxxxxxxxxxxx

Thank you very much, Paul, for your reaction.

In fact, the WinCE device will run the server, not the client.
If you
can
come up with the list for this case, that would be very much
appreciated!

"Paul G. Tobey [eMVP]" wrote:

OK. In CE5 and earlier, you have to do the
following or Remote DCOM
won't
work:

1. You have to have a unique device name
on the network. This is the
item
set in the System Control Panel applet on the
Device Name tab. After
changing this, you have to restart the
Windows CE device.

2. It appears that your CE device is the
client, not the server, yes?
If
so, you must change the user name/password
on the Owner Control Panel
applet's Network ID tab to be a user name
and password that the remote
server will recognize and allow to perform
the operation.

3. You have to make sure that your code to
actually create the remote
object
uses the same user name and password as
the Owner applet. It also
needs
to
call CoInitializeEx appropriately (apartment
threaded).

4. You have to make sure that you have an
installed proxy for the
remote
object, of course, on the Windows CE
device.

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If you are the server, not the client, post back
and I'll try to come
up
with the list for that case, too.

Once you have all of that, run your DCOM
client application in the
debugger
on CE. Trace to where you call
CoCreateInstance() and watch what DLLs
are
loaded when you make that call. What are
they? Is the security DLL,
secur32.dll, I think it is in CE5, loaded? The
proxy? You might also
check
and make sure that DCOM is enabled. When
you have it in your CE5 OS,
the
registry entries that come with it
automatically turn it on, but that
might
not be the case for this CE6 add-on.

Paul T.

"MilanvdM"

<MilanvdM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:13C74506-33D6-4661-924A-7BE6862D2FFD@xxxxxxxxxxxxxxxxxxxxx

Well, I guess it *is*
supported after installing
this toolkit:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=6DADC411-F2>

which we did....

"Paul G. Tobey [eMVP]"

wrote:

It's not
supported.
Don't you
see that in
the OS
documentation?

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I
seem
to
remember it
being all
over the
place.
DCOM is
supported,
in the
sense
that
you can use
out-of-process
COM on
Windows
CE 6.0, if
you build
the
right
pieces into
the OS, but
Remote
DCOM is
not.

Paul T.

"MilanvdM"

<MilanvdM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in
message

news:F1DADEA9-C8B1-4972-A0D2-54B3A2B4A34E@xxxxxxxx

The
company
I
work
for
is
implementing
control
of
a
piece
of
equipment
on
an
ARM-based
board

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running
Windows
CE
6.0.
The
board
is
to
be
controlled
from
a
PC
running
XP
Embedded.
We
will
use
DCOM.
We
applied
the
DCOM
.msi
to
Platform
Builder
to
incorporate
DCOM
remoting
in
CE
6.0.
The
network
is
closed,
so
we
do
not
have
to
be
worried
about
security
issues.

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We've
been
struggling
for
two
weeks
now
to
get
DCOM
remoting
to
work,
but
it
does
not
yet.
We've
created
a
demo
application
on
WinCE
that
creates
a
COM
server
inproc,
but
outproc
just
does
not
work.
Below,
you
see
some
logging.
Whatever
we
change,
we
just
keep
getting
an
80070005

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upon
calling
CoCreate().

My
question
is
whether
there
is
some
kind
of
readme
on
how
to
set
up
remote
DCOM
in
CE
6.0
?

I
understand
from
blogs
and
discussion
groups
there's
a
lot
to
set
up
to
get
remote
DCOM
to
work
in
CE6.0.
In
microsoft.public.windowsce.embedded,
on
8th

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July
this
year,
John
Spaith
stated
there's
an
example
available
for
CE5.0
to
add
numbers
across
distributed
machines.
Is
such
an
example
available
for
CE
6.0
too?

Any
help
will
be
greatly
appreciated.

Logging
of
our
current
demo
application:

4294937025
PID:2660006
TID:2670006

4294937026
PID:2660006
TID:2670006
CoInitSecurity:
0

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4294937177
PID:2660006
TID:2670006
OSAXST1:
>>>
Loading
Module
'secur32.dll'
(0x83BAA180)
at
address
0x402C0000-0x402CA000
in
Process
'Test4CE.exe'
(0x83AD139C)
4294937274
PID:400002
TID:2700006
OSAXST1:
>>>
Loading
Module
'rpcltccm.dll'
(0x83C3321C)
at
address
0x405A0000-0x405A8000
in
Process
'NK.EXE'
(0x81038AA0)
PB
Debugger
Loaded
symbols
for
'N:\...<cut>...\RPCLTCCM.DLL'
4294937275
PID:2de0002
TID:2700006
OSAXST1:
>>>
Loading
Module
'rpcltccm.dll'
(0x83C3321C)
at
address
0x405A0000-0x405A8000
in

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Process
'servicesd.exe'
(0x83AF8000)
4294937284
PID:2de0002
TID:2700006
SECUR32:
Locating
package
'NTLM'
...
4294937284
PID:2de0002
TID:2700006
found
(0x10023770).
4294937361
PID:2de0002
TID:2700006
02de0002.02700006>
4294937361
PID:2de0002
TID:2700006
Cairole:
4294937362
PID:2de0002
TID:2700006
DCOMSS:
Failed
on
RpcBindingSetAuthInfoEx
for
remote
machine
binding
4294937391
PID:2de0002
TID:28c0006
02de0002.028c0006>
4294937392
PID:2de0002
TID:28c0006
Cairole:
4294937392
PID:2de0002
TID:28c0006
DCOMSS:
Call
disallowed
by
CkIfCallAllowed

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4294937397
PID:2de0002
TID:2700006
02de0002.02700006>
4294937397
PID:2de0002
TID:2700006
Cairole:
4294937398
PID:2de0002
TID:2700006
DCOMSS:Error
CallRemoteSCM
(global)
successful
connect
-
failure
in
remote
activation
4294937404
PID:2660006
TID:2670006
CoCreate:
80070005
4294937450
PID:2660006
TID:2670006
OSAXST1:
<<<<
Unloading
Module
'ole32.dll'
(0x83B74870)
at
address
0x40330000-0x4043B000
in
Process
'Test4CE.exe'
(0x83AD139C)

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