

# Re: Dns.GetHostEntry functionality

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2008-03/msg002>

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- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
  - *Date:* Fri, 14 Mar 2008 14:17:43 -0700
- 

Well, I did think of one thing: setting one of the WINS addresses to the IP of a PC-type host that would 'know' the names of any device on the local network. Since this is a bit of a pain, you probably want to see if you can find a way to make it work without this, but...

Paul T.

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message [news:uJeRNZhhIHA.2084@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uJeRNZhhIHA.2084@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

OK, I got my WM5 device to try. I get the same thing so, as thought, the device is the one having the problem and it appears not to be a problem with Windows CE itself, but the component set chosen to base Windows Mobile 5 upon, or perhaps some settings that prevent this from working. I can't think of anything else to try, other than searching for information on Windows Mobile name resolution to see if there is a setting.

Paul T.

"David" <david@xxxxxxxxxxxx> wrote in message [news:19C64C1B-F281-45C8-AFD0-D1A01C291A4B@xxxxxxxxxxxxxxxxxxxx](mailto:news:19C64C1B-F281-45C8-AFD0-D1A01C291A4B@xxxxxxxxxxxxxxxxxxxx)

Using mainserver has the same issues.

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message [news:eKowMtghIHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eKowMtghIHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Step back and try mainserver only, with no random manual changes to the network configuration.

Paul T.

"David" <david@xxxxxxxxxxxx> wrote in message [news:B91A0C59-B1B8-4100-A9AB-B5C2B2FBFFE9@xxxxxxxxxxxxxxxxxxxx](mailto:news:B91A0C59-B1B8-4100-A9AB-B5C2B2FBFFE9@xxxxxxxxxxxxxxxxxxxx)

I manually put in a DNS entry into the device

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network settings, even though OpenNetCF apis are reporting dns addresses. Now I get one IP address in the list returned by GetHostEntry, both for david-1 and for mainserver. The IP address comes back as an IPv6 address though which is not usable. Now what?

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message [news:OiBHsEghIHA.4684@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OiBHsEghIHA.4684@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I wanted to verify name resolution of the david-1 name. Sounds like it's either working fine or, as Chris mentioned, there's a domain involved. Windows CE does not know about, participate in, or resolve anything with domains. Try the "mainserver" name (that's perfect: no numbers and no minus signs in the name), on the device. Let us know what you find.

Paul T.

"David" <david@xxxxxxxxxxx> wrote in message [news:u5nOPnfhIHA.1208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:u5nOPnfhIHA.1208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

The net view \\david-1 shows the no entries because I do not have any shares on david-1.

net view \\mainserver

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(the server)  
comes back  
with results  
since it  
does have  
shares.

"David"  
<david@xxxxxxxxxxx>  
wrote in  
message  
[news:uVk0YmfhIHA.1204@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uVk0YmfhIHA.1204@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I  
have  
many  
computers,  
one  
of  
which  
is  
the  
server.

I  
just  
tried  
new  
view  
\\david-1  
on  
my  
david-2  
vista  
laptop.  
It  
came  
back  
with  
"There  
are  
no  
entries  
in  
the  
list."

The  
Dns.GetHostEntry("david-1")  
code  
works

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fine  
on  
the  
laptop  
though.  
It  
returns  
the  
correct  
ip  
address  
of  
david-1.

"Paul  
G.  
Tobey  
[eMVP]"

<p  
space  
tobey  
no  
spam  
AT  
no  
instrument  
no  
spam  
DOT  
com>  
wrote  
in  
message

[news:eN38mjfhIHA.1184@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eN38mjfhIHA.1184@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

OK,  
you  
have  
a  
single  
PC  
at  
home?  
The  
Windows  
Server  
system?  
Or  
that  
machine  
is

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remote?  
If  
you  
have  
two  
PC-type  
machines,  
open  
a  
MS-DOS  
window  
on  
one  
of  
them  
and  
try  
to  
view  
the  
network  
information  
for  
the  
one  
whose  
name  
you're  
currently  
trying  
to  
resolve,  
using  
the  
machine  
name.  
For  
example,

net  
view  
\\david-1

If  
this  
works,  
that  
indicates  
to  
me  
that

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you  
have  
name  
resolution.  
That  
would  
point  
to  
a  
possible  
problem  
with  
the  
resolution  
capabilities  
on  
the  
device.  
If  
it  
does  
not  
work,  
that  
points  
to  
your  
name  
resolution  
system  
(PC  
problem).

If  
the  
former  
is  
the  
case  
and  
the  
device  
is  
indicated  
as  
the  
problem  
source,  
try  
renaming  
the

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machine  
whose  
name  
you  
are  
trying  
to  
resolve  
from  
"david-1"  
to  
something  
without  
that  
nasty  
-  
character  
like  
"david1".  
Does  
that  
work?

Paul  
T.

"David"  
<david@xxxxxxxxxxxx>  
wrote  
in  
message  
[news:01C7F6B3-14A7-446D-9DE2-0C52FF5612D](mailto:news:01C7F6B3-14A7-446D-9DE2-0C52FF5612D)

You  
are  
correct.  
www.microsoft.com  
resolved  
fine.  
Now  
I  
really  
need  
to  
know  
how  
to  
resolve  
a  
computer  
name.

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I  
hope  
that  
someone  
can  
answer  
this.

"Paul  
G.  
Tobey  
[eMVP]"

<p  
space  
tobey  
no  
spam  
AT  
no  
instrument  
no  
spam  
DOT  
com>  
wrote  
in  
message

news:Of25\$\$fhIHA.200@xxxxxxxxxxxxxxxxxxxx

I'm  
no  
Vista  
expert.  
Try  
resolving  
www.microsoft.com.  
I'm  
pretty  
sure  
that  
will  
work.

Paul  
T.

"David"  
<david@xxxxxxxxxxxx>  
wrote  
in

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message

news:1E71F8D9-2C94-4BC8-87B5

If  
I  
substitute  
10.0.0.20  
for  
david-1,  
everything  
works  
fine.  
That  
is,  
the  
functionality  
of  
my  
app  
works  
to  
connect  
to  
the  
PC  
and  
retrieve  
data  
and  
send  
data.  
So  
this  
tells  
me  
that  
I  
have  
connectivity  
to  
the  
network.  
It  
is  
just  
that  
DNS  
seems  
not  
work  
work.

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Does  
Vista  
not  
use  
netbios  
names?  
I  
am  
pretty  
sure  
that  
it  
does.

"Paul  
G.  
Tobey  
[eMVP]"

<p  
space  
tobey  
no  
spam  
AT  
no  
instrument  
no  
spam  
DOT  
com>  
wrote  
in  
message  
[news:uhopxtehIHA.6136@x](mailto:news:uhopxtehIHA.6136@x)

The  
only  
thing  
that  
I  
can  
think  
of  
is  
that  
the  
name  
you're  
asking  
for  
is

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wrong  
(isn't  
the  
real  
device  
name),  
or  
that  
there's  
a  
bug  
in  
resolution  
for  
NetBIOS  
names  
with  
-  
characters  
in  
them.  
What  
sort  
of  
device  
are  
we  
talking  
about  
(it's  
not  
Windows  
Mobile,  
for  
example?)?  
Version  
of  
CE?  
Networking  
components  
built  
in?

Your  
code  
works  
fine  
on  
my  
device.

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Paul  
T.

"David"  
<david@xxxxxxxxx>  
wrote  
in  
message  
[news:B3DAB770-2](mailto:news:B3DAB770-2)

I  
have  
this  
code:

```
try
{
    IPAddress[]
    addresses
    =
    Dns.GetHost
    foreach
    (IPAddress
    address
    in
    addresses)
    {
        if
        (address.Ad
        ==
        AddressFam
        {
            m_strServeI
            =
            address.ToS
            break;
        }
    }
    catch
    (SocketExcep
    ex)
    {
        MessageBox
        Close();
        return;
    }
}
```

A  
SocketExcep  
is

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thrown  
"No  
such  
host  
is  
known".

Yet,  
I  
know  
I  
have  
connectivity  
since  
I  
can  
browse  
the  
internet  
and  
I  
have  
a  
valid  
ip  
address  
and  
it  
can  
be  
pinged  
from  
the  
david-1  
computer.  
My  
DHCP  
server  
is  
giving  
out  
dns  
and  
gateway  
information.  
Why  
does  
the  
GetHostEntry  
fail?

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