

Re: Dns.GetHostEntry functionality

Source:

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

- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
 - *Date:* Fri, 14 Mar 2008 10:29:05 -0700
-

OK, you have a single PC at home? The Windows Server system? Or that machine is 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 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 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-9DE2-0C52FF5612DD@xxxxxxxxxxxxxxxxxxxx>

You are correct. www.microsoft.com resolved fine. Now I really need to know how to resolve a computer name. 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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:Of25$$fhIHA.200@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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

Paul T.

"David" <david@xxxxxxxxxxxx> wrote in message
<news:1E71F8D9-2C94-4BC8-87B5-C736DD25FEBF@xxxxxxxxxxxxxxxxxxxx>

If I substitute 10.0.0.20 for david-1, everything works fine.

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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. 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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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

Paul T.

"David" <david@xxxxxxxxxxxx> wrote in
message
news:B3DAB770-2D94-4BE6-8899-B0C51B61F484@xxxxxxxxxxxxxxxxxxxx

I have this code:

```
try
{
  IPAddress[] addresses =
  Dns.GetHostEntry("david-1").AddressList;
  foreach (IPAddress address
  in addresses)
  {
    if (address.AddressFamily
    ==
    AddressFamily.InterNetwork)
    {
      m_strServeIP =
      address.ToString();
      break;
    }
  }
}
```

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```
}  
catch (SocketException ex)  
{  
    MessageBox.Show(ex.Message);  
    Close();  
    return;  
}
```

A SocketException is 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?