

Re: gethostbyname problem

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2006-08/msg00330.html>

- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
 - *Date:* Fri, 25 Aug 2006 08:38:39 -0700
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You haven't shown us how chHost is declared, but the code, unless you broke it again, is right. So, maybe you're calling a function that starts up WinSock, runs the call, and shuts down WinSock every time, which would be stupid and very likely to not work, or you're asking for a host name that's wrong to be resolved, or your resolution configuration, the IP addresses of your DNS servers, are wrong.

Write the shortest possible program that will do these steps, then run it. If you run it a second time, it still works, right?

Paul T.

"Rajat" <raj.rr7@xxxxxxxx> wrote in message
<news:1156491103.965759.92550@xx>

Hi Paul,

I tried with only one WSASStartup, But still facing the same issue. Is there any other solution.

Thanks
Rajat

Paul G. Tobey [eMVP] wrote:

Why are you calling WSASStartup twice?! That's probably the source of all of your problems.

Paul T.

"Rajat" <raj.rr7@xxxxxxxx> wrote in message
<news:1156170123.066175.270980@xx>

Hi,

I am trying to resolve the DNS to get the IP using IP helper

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API

gethostbyname. The code is as follows:

```
hostent *hp = NULL;
struct in_addr srv_addr;
DWORD dwErr = 0;
WORD wVersionRequested;
WSADATA wsaData;
int err;

wVersionRequested = 0x0101;
err = WSASStartup( wVersionRequested, &wsaData );
if ( err != 0 )
{
return;
}

wVersionRequested = MAKEWORD(1, 1);
int nResult = WSASStartup(wVersionRequested, &wsaData);
if (nResult != 0)
{
return;
}

/* chHost contains name of the DNS to resolve*/
hp = gethostbyname(chHost);
dwErr = WSAGetLastError();
if (hp != NULL)
{
strcpy(chHostIP,inet_ntoa( *( struct in_addr*)( hp ->
h_addr_list[0] ));
/* Printing the IP address*/
}

WSACleanup();
```

In this case for the very first time DNS is resolved and IP is given.

But when try to use the same thing for the second time gethostbyname returns error WSANOTINITIALISED (Though WSASStartUp function is executed successfully)

Does anybody ever find same behavior. Can anybody guide me what is going wrong here.

Thanks in advance
Rajat

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