

Bind Problem – with multihomed

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Hi,

I have a multihomed pc with Windows XP Pro SP2 installed and two network interfaces. My task is to build an application to send out data from a particular interface.

What I did is, first I created two datagram sockets and then, I used the bind() function to bind each socket with the interface. Then I used the sendto() function to send out some data over the interface. The problem is that when I am using a sniffer to watch the outgoing packets, both packets seems to be leaving from the same interface with the source IP changed.

The funny thing is that the same code works fine when I run it on a Windows XP Pro without the SP2 installed.

Is it correct to use the bind function to bind a socket to a particular interface or there is another API function?

Many Thanks.

bind (Windows Socket)

"This allows the underlying service provider to use any appropriate network address, potentially simplifying application programming in the presence of multihomed hosts" ... msdn quote.

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