

ICMP – Raw socket

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.networks/2005-10/msg00021>

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 - *Date:* Tue, 4 Oct 2005 06:36:43 -0700
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Hi All,

I am trying to use a icmp socket to receive all the icmp packets that reaches my machine. If i ping my machine from other pcs, ping is successful which means there are some icmp packets reached my machine, but recvfrom never returns. But if i ping other pcs from my machine, recvfrom returns immediately. Could anyone let me know how can resolve this issue?

Here is the code

```
ZeroMemory(&sLocalSock,sizeof(sLocalSock));

sLocalSock.sin_family = AF_INET;

sLocalSock.sin_addr.S_un.S_addr = inet_addr("172.20.211.72");

//creating the socket
m_sAdvSocket=socket(AF_INET,
SOCK_RAW,
IPPROTO_ICMP);

if(m_sAdvSocket==INVALID_SOCKET)
{

wsprintf(szTempError,"%d no. Error in creating socket in
advertisement",WSAGetLastError());
MessageBox(NULL,szTempError,"Error",0);
return 0;

}

iAdvSockError=bind(m_sAdvSocket,
(SOCKADDR *)&sLocalSock,
sizeof(sLocalSock));
```

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```
if(iAdvSockError== SOCKET_ERROR)
{
    wsprintf(szTempError,"%d no. Error in binding socket in
advertisement",WSAGetLastError());
    MessageBox(NULL,szTempError,"Error",0);
    return 0;
}

int iSize=sizeof(sLocalSock);

char szIp[3500];

if(SOCKET_ERROR==recvfrom(m_sAdvSocket,(char *)&szIp,3400,0,(struct
sockaddr *)&sLocalSock,&iSize))
{
    wsprintf(szTempError,"%d no. Error in receiving in
advertisement",WSAGetLastError());
    MessageBox(NULL,szTempError,"Error",0);
    return 0;
}
```

Thanks,
Senthil
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- *Follow-Ups:*
 - ◆ *Re: ICMP – Raw socket*
 - ◇ *From: Arkady Frenkel*
 - Prev by Date: *Re: Windows 2003 faxcomex api problem*
 - Next by Date: *Multicast addressing and Microsoft loopback adapter*
 - Previous by thread: *RE: Send SMS Text in C++ (WIN32 App)*
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