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Subject: Re: CALL\_EXTERNAL problems (re: DICOM)  
Posted by [Karri Kaksonen](#) on Mon, 27 Dec 1999 08:00:00 GMT  
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Richard,

I did almost the same thing but the other way around.  
In my setup I used Callable IDL from my C-code and used  
a commercial Dicom toolkit instead of Mallindkrodt.

I don't know if you find any help from this but the things  
I have found to be necessary for my toolkit are:

```
set_port( pTran, "104" );  
set_protocol( pTran, "tcpip" );  
set_source( pTran, "NORDSTAR_MR_SCP" );  
status = listen( pTran, &listen_fd);
```

In addition to this the PACS is usually set up to accept  
connections from certain physical wires only. Which means  
that you cannot just move your machine to another place in  
the house and plug it in the net. At least in one hospital  
they tied the legal machines to an IP-address and a physical  
twisted-pair port.

I could not find anything wrong in your description of how  
to do this. If it had been a Windows-machine I could easily  
have added all kind of silly "special" gimmicks like opening  
the socket with the "rb" flags. Tricks with TCP/IP byteorder  
being different, cache-bugs in the NT etc.

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Regards,

Karri Kaksonen  
Picker Nordstar

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