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Subject: What's wrong with this code?

Posted by [lectus](#) on Fri, 07 Dec 2012 03:01:12 GMT

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Why doesn't it compile?

```
#include "ServerTest.h"
```

```
void ServerTest::Accept(TcpSocket s)
{
    s.Put("Hello world!\n");
}
```

```
void ServerTest::Serve() {
    TcpSocket server;
    if(!server.Listen(8080))
    {
        Exclamation("Error!");
        return;
    }
    TcpSocket s;
    s.Accept(server);
    Thread().Run(callback1(Accept, s));
}
```

```
void ServerTest::BStartPush()
{
    Thread().Run(callback(Serve));
}
```

```
ServerTest::ServerTest()
{
    CtrlLayout(*this, "Window title");
    bStart.WhenPush = THISBACK(BStartPush);
}
```

```
GUI_APP_MAIN
{
    ServerTest().Run();
}
```

Subject: Re: What's wrong with this code?  
Posted by [nneilson](#) on Fri, 07 Dec 2012 05:01:39 GMT  
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In reference there are SocketClient and SocketServer  
I started with those even though I had worked with socket server and clients in Python, Java and M\$VC.

If you would zip your package (with the .upp file) it would be easier to try.

What are you doing for a client to test with?

What errors do you get?

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Subject: Re: What's wrong with this code?  
Posted by [dolik.rce](#) on Fri, 07 Dec 2012 06:29:28 GMT  
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Hi lectus, I see couple problems

First you create the callbacks wrong. If you want to make callback to member function, you have to use the correct variant where you pass the object (you class) and fully qualified function name. The easiest way to do this is to use THISBACK\* macros (requires "typedef ServerTest CLASSNAME;" in your class):  
`Thread().Run(THISBACK1(Accept, s));`

Second thing that will not work is that you pass a socket as a parameter for the callback. TcpSocket has only private copy constructor, you can't copy it into the callback so it can be used later. The socket should be member variable of your class, so you don't have to pass it around.

Also, Neil has a point about reading the manual and posting the complete compilable testcase. Or you should at least post the compiler messages if you want us to figure out why it won't compile, it is much easier then

Best regards,  
Honza

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