

Re: How is this conditional able to execute?

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2005-04/msg02941.html>

- *From:* "Stephany Young" <noone@localhost>
 - *Date:* Mon, 18 Apr 2005 08:42:31 +1200
-

What test are you using to determine that `returndata.ToString = ""`?

Are you, for example, executing a:

```
Console.WriteLine("returndata.ToString = " & returndata.ToString)
```

and getting the result:

```
returndata.ToString =
```

Your comment about `returndata` 'always' being 8193 bytes gives us the clue as what is happening.

I suspect that `returndata` is padded with null characters (`chr(0)`).

The `Trim` function (aka `Microsoft.VisualBasic.Trim`) only 'trims' leading and trailing Space characters.

The `String.Trim` Method 'trims' leading and trailing whitespace characters. 'whitespace' comprises a number of characters including the null character (`chr(0)`).

I think that if you change the line:

```
Dim returndata As String = Trim(Encoding.UTF8.GetString(bytes))
```

to

```
Dim returndata As String = Encoding.UTF8.GetString(bytes).Trim()
```

then the test will work correctly.

"Brett" <no@xxxxxxxx> wrote in message
news:OGXwIW1QFHA.3336@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

>

> "Stephany Young" <noone@localhost> wrote in message

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```
> news:eyxRIGwQFHA.3140@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> The critical thing here is, what is ClientForm.ReturnData? Is it a
>> control on a form? What is it's Type?
>
> Declared in Form1:
> Public Shared ReturnData As String
>
> It is always assigned a string value.
>
>>
>> Are you saying that directly after execution of the line:
>>
>> Dim returndata As String = Trim(Encoding.UTF8.GetString(bytes))
>>
>> returndata contains an empty string? If so how are you testing this?
>
> When I do Len(returndata) in the IF, it has a length of 8193. Same as the
> byte array. How can returndata's value be ""?
>
>>
>> Although it should not hurt anything, returndata.ToString is redundant
>> because returndata is actually a string.
>>
>>
>> "Brett" <no@xxxxxxx> wrote in message
>> news:epc2VnvQFHA.2736@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>>>I only put the values that way to show what they are. I wasn't actually
>>>assigning anything.
>>>
>>> This code is in a loop. Most of the time, returndata is the empty
>>> string.
>>>
>>> networkStream = tcpClient.GetStream()
>>> Dim bytes(tcpClient.ReceiveBufferSize) As Byte
>>> networkStream.Read(bytes, 0,
>>> tcpClient.ReceiveBufferSize)
>>> Dim returndata As String =
>>> Trim(Encoding.UTF8.GetString(bytes))
>>>
>>> If returndata.ToString <> "" And
>>> returndata.ToString <> ClientForm.ReturnData Then
>>> ClientForm.ReturnData = returndata
>>> returndata = Nothing
>>> Else
>>> End If
>>> End If
>>>
>>> bytes always has a length of 8193. Up until about the 35th element of
>>> its array, the values are non zero. After that they are all zero.
>>> Possibly I'm not seeing something that is kept in bytes when I assign it
>>> to returndata? Although returndata appears to be the empty string, it
```

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- **Follow-Ups:**
 - ◆ **Re: How is this conditional able to execute?**
 - ◇ *From:* Brett

- **References:**
 - ◆ **How is this conditional able to execute?**
 - ◇ *From:* Brett
 - ◆ **Re: How is this conditional able to execute?**
 - ◇ *From:* Stephany Young
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