

Re: ASCII code

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2004-02/2839.html>

From: Jay B. Harlow [MVP – Outlook] (*Jay_Harlow_MVP_at_msn.com*)

Date: 02/12/04

Date: Thu, 12 Feb 2004 07:37:45 -0600

Tom,

> *It doesn't... See, a long time ago – when I was first learning .NET,*

> ...

> *I seem to remember & and &= being one of those cases, but the*

> *OP as proven that to be mistaken...*

I don't know if the OP has proven that it never does! He has simple confirmed my statement ;-)

I suspect you saw & and &= call into the runtime, when VB.NET was converting one of the arguments to String!

For example the following calls functions in Microsoft.VisualBasic.CompilerServices namespace in the Microsoft.VisualBasic assembly:

```
Dim i As Integer
Dim ch As Integer
Dim s As String
```

```
s &= ch & i
```

To convert the ch & i variables to strings, then it calls String.Concat.

Although in the above case, VB.NET could simply call the String.Concat that accepted Objects, and box i & ch...

Hope this helps

Jay

"Tom Shelton" <tom@mtogden.com> wrote in message news:eofisuS8DHA.2416@TK2MSFTNGP10.phx.gbl...

> *On 2004-02-12, Jay B. Harlow [MVP – Outlook] <Jay_Harlow_MVP@msn.com> wrote:*

> > *Tom,*

> > > *Interesting... I've never really tried rotor, so I wasn't sure how that*

> > > *would work. Another place you may have trouble is with the string*

> > > *concatenation operators (&, &=). I believe these make calls into the*

> >> *VB.NET runtime library. So, you'll want to use String.Concat instead.*
> >
> > *I've only seen & and &= use String.Concat, I've never seen them use a
VB.NET
> > specific routine.*
> >
> > *However I'm not saying they don't!*
> >
> > *Jay*
>
> *It doesn't... See, a long time ago – when I was first learning .NET,
> I used to always remove the reference to Microsoft.VisualBasic. I don't
> remember the context, but I was in a discussion once were it was
> revealed to me about the automatic inclusion by the compiler. I started
> playing around with using ILDASM to generate il files, removing the
> reference, and then using ILASM to regenerate the assemblies. In the
> process I found several situations where the compiler inserted calls to
> some Microsoft.VisualBasic.CompilerHelper class (or something like that,
> it's been a couple of years ago, so I don't remember all of the
> details). I seem to remember & and &= being one of those cases, but the
> OP as proven that to be mistaken... For all I know, that could have
> been during the Beta or RC days, and it has since changed during release
> :)*
>
> --
> *Tom Shelton [MVP]*
> *Powered By Gentoo Linux 1.4*
> *"Zaphod grinned two manic grins, sauntered over to the bar
> and bought most of it."*
>
> *– Zaphod in paradise.*