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Thread: [VB.Net CodeDom Compiler Target Framework Issues](#)

KrypteX - April 15, 2016, 11:40 am

Hello all, I've been fooling around allot in .Net recently and stumbled across a problem that I can't quite wrap my head around.

I beleive that my code is correct and compiles my program without issues but with one catch.

```
Code Public Sub Compile(ByVal Output As String, ByVal Source As String)
    On Error Resume Next
    Dim Compiler As ICodeCompiler = (New VBCodeProvider).CreateCompiler()
    Dim Parameters As New CompilerParameters()
    Dim cResults As CompilerResults
    Parameters.GenerateExecutable = True
    Parameters.OutputAssembly = Output
    Parameters.CompilerOptions = ("/win32icon:" & (Chr(34) & StubIcon &
Chr(34))("/target:winexe"))
    Parameters.ReferencedAssemblies.Add("System.dll")
    Dim Version = New Dictionary(Of String, String)
    Version.Add("CompilerVersion", "v2.0")
    cResults = Compiler.CompileAssemblyFromSource(Parameters, Source)
    If cResults.Errors.Count > 0 Then
        For Each CompilerError In cResults.Errors
            MessageBox.Show("Error: " & CompilerError.ErrorText, "", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        Next
    ElseIf cResults.Errors.Count = 0 Then
    End If
End Sub
```

Even though I've specified the compiler version to compile to v2.0 framework, it's compiling in v4.0

```
Code // Metadata version: v4.0.30319
.assembly extern mscorlib
{
    .publickeytoken = (B7 7A 5C 56 19 34 E0 89 )           // .z\V.4..
    .ver 4:0:0:0
}
.assembly extern Microsoft.VisualBasic
{
    .publickeytoken = (B0 3F 5F 7F 11 D5 0A 3A )           // .?_....:
    .ver 10:0:0:0
}
.assembly extern System
{
    .publickeytoken = (B7 7A 5C 56 19 34 E0 89 )           // .z\V.4..
    .ver 4:0:0:0
}
.assembly test
```

```

{
    .custom instance void
[mscorlib]System.Runtime.CompilerServices.RuntimeCompatibilityAttribute::.ctor() = ( 01 00 01 00
54 02 16 57 72 61 70 4E 6F 6E 45 78  // ....T..WrapNonEx
                                     63 65 70 74 69 6F 6E 54 68 72
6F 77 73 01 )  // ceptionThrows.
    .custom instance void
[mscorlib]System.Runtime.CompilerServices.CompilationRelaxationsAttribute::.ctor(int32) = ( 01 00
08 00 00 00 00 00 )
    .hash algorithm 0x00008004
    .ver 0:0:0:0
}
.module test.exe
// MVID: {AF7D08A3-6D4D-4096-8865-D551ADA33023}
.imagebase 0x00400000
.file alignment 0x00000200
.stackreserve 0x00100000
.subsystem 0x0003  // WINDOWS_CUI
.corflags 0x00000001  // ILONLY
// Image base: 0x08D80000
Does anyone have any ideas on how I can fix this?

```

Zilog80 - April 15, 2016, 12:16 pm

On Error Resume Next....Really????

Your Version variable has been declared and initialized, but you didnt used anywhere on compiler options. Try to use it!!!. Example (might not work, its a guide-line code)

PHP Code

```

<?php
var providerOptions = new Dictionary<string, string>();
providerOptions.Add("CompilerVersion", "v2.0");
var compiler = new CSharpCodeProvider(providerOptions);

```

KrypteX - April 15, 2016, 12:21 pm

(Apr 15, 2016 12:16 PM)Zilog80 Wrote: [\[CITE\]](#) On Error Resume Next....Really????

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```

XD I didn't code it. It's a slightly modified version of Pr3f1x's codedom compiler function

Hmm... I can kinda see how it's been declared and all and I can see that it may not even be getting used as a variable upon compilation.. Hmmmmmmmmm thank you very much I'll have to take a look into how to fix that.

The version variable still means nothing, however I've just gotten my whole project to run off of 2.0 by default.