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Thread: [How to inject code using DnLib?](#)

fisica638 - September 19, 2020, 8:47 am

Hi, I have a problem.

I am injecting code with my following method.

Method :

Code Module Anti_Debug

```
Sub Execute2(ByVal GetAssembly As ModuleDef)
    Dim typeModule = ModuleDefMD.Load(GetType(Testting).Module)
    Dim ctor = GetAssembly.GlobalType.FindOrCreateStaticConstructor()
    Dim typeDef =
typeModule.ResolveTypeDef(MDToken.ToRID(GetType(Testting).MetadataToken))
    Dim members = InjectHelper.Inject(typeDef, GetAssembly.GlobalType, GetAssembly)
    Dim init = CType(members.Single(Function(method) method.Name =
"InitializeTestingDebug"), MethodDef)
    ctor.Body.Instructions.Insert(0, Instruction.Create(OpCodes.Call, init))

    For Each MDDef In GetAssembly.GlobalType.Methods
        If Not MDDef.Name = ".ctor" Then Continue For
        GetAssembly.GlobalType.Remove(MDDef)
    Exit For
    Next
End Sub
End Module
Class to Inject:
```

Code Module Testting

```
Private Sub InitializeTestingDebug()
    MsgBox("Test Fun.")
End Sub

End Module
This works fine.
```

The problem I have is when the Class to Inject has declarations / Properties outside the methods. if it has any declarations outside the Sub InitializeTestingDebug (), C# app generated my app.

Example :

Code Module Testting

```
Private _LogResult As String = String.Empty
```

```
Public ReadOnly Property LogResult As String
    Get
        Return _LogResult
    End Get
End Property
```

```
Private Sub InitializeTestingDebug()
    MsgBox("Test Fun.")
End Sub
```

```
End Module
```

It also doesn't work correctly when I call some function from the method Sub InitializeTestingDebug()
(

Example :

Code Module Testting

```
Private Sub InitializeTestingDebug()
    MsgBox(WelcomeMessage)
End Sub
```

```
Private Function WelcomeMessage() As String
    Return "Test Fun."
End Function
```

```
End Module
```

Someone help me fix this problem, please.