

WCF Export

Given the URL of a WCF service (along with a output prefix and target namespace), this Python script generates C# proxy source and config files. These files can then be imported/copied to a .NET project and used directly to consume the web service.

[wcfexport.py](#)

```
import os
import string
import subprocess
import sys

class WCFExporter:
    def __init__(self, serviceURL, outputPrefix, targetNamespace):
        self.serviceURL = serviceURL
        self.outputPrefix = outputPrefix
        self.targetNamespace = targetNamespace

        self.svcUtilCmd =
'C:\\\\PROGRA~1\\\\MI2578~1\\\\Windows\\\\v6.0A\\\\Bin\\\\SvcUtil.exe'

    def DropGeneratedCodeAttribute(self):
        try:
            mySourceFile = self.outputPrefix + '.temp.cs'
            myTargetFile = self.outputPrefix + '.cs'

            mySourceHandle = open(mySourceFile, 'r')
            myTargetHandle = open(myTargetFile, 'w')

            for inputLine in mySourceHandle:
                if 'GeneratedCodeAttribute' not in inputLine:
                    myTargetHandle.write(inputLine)

            myTargetHandle.close()
            mySourceHandle.close()

            os.remove(mySourceFile)

        except Exception as ex:
            print '[ERROR] ' + str(ex)

    def GenerateFiles(self):
        try:
            retcode = -1

            myCommandString = self.svcUtilCmd + ' /t:code ' +
self.serviceURL + ' /out:' + self.outputPrefix + '.temp.cs /config:' +
self.outputPrefix + '.config /namespace:*, ' + self.targetNamespace
```

```
        retcode = subprocess.call(myCommandString)

    except Exception as ex:
        print '[ERROR] ' + str(ex)

    return retcode

    def UsageMessage(self):
        print '\nUSAGE: wcfexport.py <wcf service url> <output prefix>
<target namespace>'
        print '\n\n\tEXAMPLE: wcfexport.py http://CoolService:9030
MyNewProxy MyCompany.MyPkg'
        print '\n\n\tOUTPUT: MyNewProxy.cs and MyNewProxy.config'

### MAIN starts here ###

myWCFExporter = WCFExporter('', '', '')

if len(sys.argv) != 4:
    myWCFExporter.UsageMessage()
    sys.exit(1)

myWCFExporter.serviceURL = sys.argv[1]
myWCFExporter.outputPrefix = sys.argv[2]
myWCFExporter.targetNamespace = sys.argv[3]

print '\n'

retcode = myWCFExporter.GenerateFiles()

if retcode == 0:
    myWCFExporter.DropGeneratedCodeAttribute()
```

dotnet

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