**Installing and Using XMLSERVICE Wrapper for IBMi and .Net/.Net Core**

**Overview**This project is a complement to the XMLSERVICE service program hosted on the IBMi Yips site (<http://yips.idevcloud.com/wiki/index.php/XMLService/XMLService> ).   
  
The project is a DLL assembly wrapper to use the CGI REST functionality of the XMLSERVICE wrapper to access database on IBMi, call programs and sub-procedures and CL commands from .Net or .Net Core Applications. The project is a .Net Standard project which means the code can run on .Net Framework 4.6.1 and above in Windows or .Net Standard 2.0.0 and above on any platform supported by .Net Core which currently includes Windows, MacOs and Linux.   
  
**This code is provided without warranty or implied support of any kind.**

**Github Site**<https://github.com/richardschoen/IbmiXmlserviceStd>

**Content**

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| **Content Description** | **Git Repository File Location** |
| **XMLDOTNETi Library and Sample Svc Pgm** | SaveFile\XMLDOTNETI.svf |
| **XMLSERVICE powerpoint presentation** | Presentations\IBMiDotNetWithXMLService.pdf |
| **XMLSERVICE .Net API and Sample Project** | IbmiXmlserviceStd\IbmiXmlserviceStd.sln |

**Install instructions**

-Upload **XMLDOTNETI** save file via FTP and restore **XMLDOTNETI** library. All code is in source file: SOURCE in XMLDOTNETI.

-Download and install XMLSERVICE library from Yips site. **See IBMiDotNetWithXMLService.pdf for overview.**

-Create XMLSERVICE Apache Server Config and start the http instance with following command: STRTCPSVR SERVER(\*HTTP) HTTPSVR(XMLSERVICE) **See IBMiDotNetWithXMLService.pdf for overview**.

**Usage and programming of XMLServiceiApi Wrapper**

Install the package by compiling the source or getting the Nuget package for IbmiXmlserviceStd –Version 1.0.1 from the Nuget site.  
  
**IBM i Multi-platform Xmlservice .Net Wrapper for Dotnet Standard Nuget Site Link** <https://www.nuget.org/packages/IbmiXmlserviceStd>

**C# Sample Code to Run CL Command**Listed below is a basic C# test console application to run a CL command.

Create new Console Application project in Visual Studio 2017. Can use .Net 4.6.1 or .Net Core 2.0.0.

**Install the IbmiXmlserviceStd Nuget Package into the project**

**Install-Package IbmiXmlserviceStd -Version 1.0.1**

**C# Code for IbmiXmlServiceCommandSample1Cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using IbmiXmlserviceStd;

namespace IbmiXmlServiceCommandSample1Cs

{

class Program

{

static void Main(string[] args)

{

String baseUrl = "http://1.1.1.1:30000/cgi-bin/xmlcgi.pgm";

String ibmiUser = "USER1";

String ibmiPass = "PASS1";

bool useHttpCredentials = false;

bool rtncmd = false;

String clCmd = "SNsDMSG MSG(TESTDOTNET) TOUSR(QSYSOPR)";

XmlServicei \_ibmi = new XmlServicei();

// Set credential information

\_ibmi.SetUserInfoExt(baseUrl, ibmiUser, ibmiPass, useHttpCredentials);

// Run CL command and return success or failure

rtncmd = \_ibmi.ExecuteCommand(clCmd);

if (rtncmd)

{

Console.WriteLine("Command was successful.");

Environment.Exit(0);

} else

{

Console.WriteLine("Command failed.");

Environment.Exit(99);

}

}

}

}

**Project Feedback**Please post all feedback for this project to the Github site or to my personal email address since this is a project that contains code that is not maintained or supported by my employer. This is a personal project supported entirely by me via Github and any related content.

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