Question

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using System;

using System.Collections.Generic;

using System.Text;

using System.Reflection;

using System.CodeDom;

using System.CodeDom.Compiler;

using System.Security.Permissions;

using System.Web.Services.Description;

namespace ConnectionLib

{

internal class WsProxy

{

[SecurityPermissionAttribute(SecurityAction.Demand, Unrestricted = true)]

internal static object CallWebService(string webServiceAsmxUrl, string serviceName, stringmethodName, object[] args)

{

System.Net.WebClient client = new System.Net.WebClient();

// Connect To the web service

System.IO.Stream stream = client.OpenRead(webServiceAsmxUrl + "?wsdl");

// Now read the WSDL file describing a service.

ServiceDescription description = ServiceDescription.Read(stream);

///// LOAD THE DOM /////////

// Initialize a service description importer.

ServiceDescriptionImporter importer = new ServiceDescriptionImporter();

importer.ProtocolName = "Soap12"; // Use SOAP 1.2.

importer.AddServiceDescription(description, null, null);

// Generate a proxy client.

importer.Style = ServiceDescriptionImportStyle.Client;

// Generate properties to represent primitive values.

importer.CodeGenerationOptions = System.Xml.Serialization.CodeGenerationOptions.GenerateProperties;

// Initialize a Code-DOM tree into which we will import the service.

CodeNamespace nmspace = new CodeNamespace();

CodeCompileUnit unit1 = new CodeCompileUnit();

unit1.Namespaces.Add(nmspace);

// Import the service into the Code-DOM tree. This creates proxy code that uses the service.

ServiceDescriptionImportWarnings warning = importer.Import(nmspace, unit1);

if (warning == 0) // If zero then we are good to go

{

// Generate the proxy code

CodeDomProvider provider1 = CodeDomProvider.CreateProvider("CSharp");

// Compile the assembly proxy with the appropriate references

string[] assemblyReferences = new string[5] { "System.dll","System.Web.Services.dll", "System.Web.dll", "System.Xml.dll", "System.Data.dll" };

CompilerParameters parms = new CompilerParameters(assemblyReferences);

CompilerResults results = provider1.CompileAssemblyFromDom(parms, unit1);

// Check For Errors

if (results.Errors.Count > 0)

{

foreach (CompilerError oops in results.Errors)

{

System.Diagnostics.Debug.WriteLine("========Compiler error============");

System.Diagnostics.Debug.WriteLine(oops.ErrorText);

}

throw new System.Exception("Compile Error Occured calling webservice. Check Debug ouput window.");

}

// Finally, Invoke the web service method

object wsvcClass = results.CompiledAssembly.CreateInstance(serviceName);

MethodInfo mi = wsvcClass.GetType().GetMethod(methodName);

return mi.Invoke(wsvcClass, args);

}

else

{

return null;

}

}

}

}

* Proposed as answer by [DarkKnight671](https://social.technet.microsoft.com/profile/darkknight671/?type=forum&referrer=http://social.technet.microsoft.com/Forums/en-US/39138d08-aa08-4c0c-9a58-0eb81a672f54/adding-a-web-reference-dynamically-at-runtime?forum=csharpgeneral)