

Overview

This document describes how to define an XML Schema Refactoring for QTAssistant configuration to provide a solution to a question posted [here](#).

Install and Configure QTAssistant

QTAssistant may be installed on any version of Windows operating system running XP SP3 or above, 32-bit (x86) or 64-bit (x64), with Microsoft .NET Framework 4 and/or .NET Framework 3.5 SP1.

Download the latest version of QTAssistant from <http://paschidev.com/Secure/Downloads/QTSetup40.zip> (registration is required).

Download the zip file containing the material used to illustrate this document from <http://paschidev.com/Secure/downloads/the-minoccurs-attribute-cannot-be-present.zip>; extract the files on your local computer.

Install and run QTAssistant. Once started, close the feature browser to return to QTAssistant's empty environment. For more information on QTAssistant's shell and the XSR module see the online help [here](#) or the embedded help by pressing the F1 key.

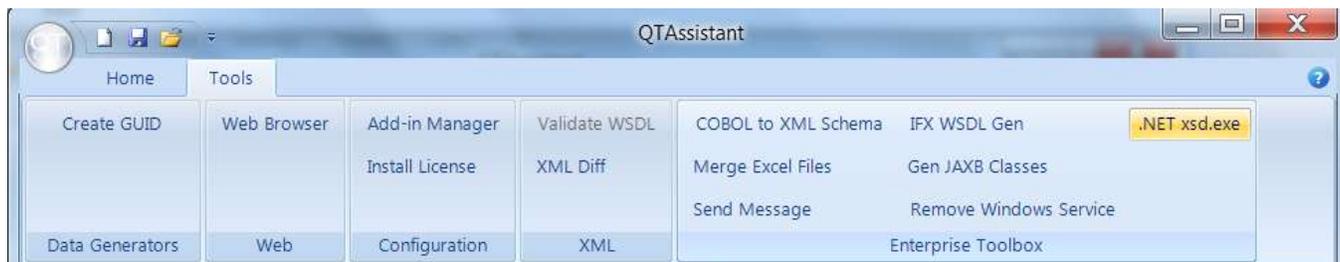
Test Complete Solution

Prerequisites

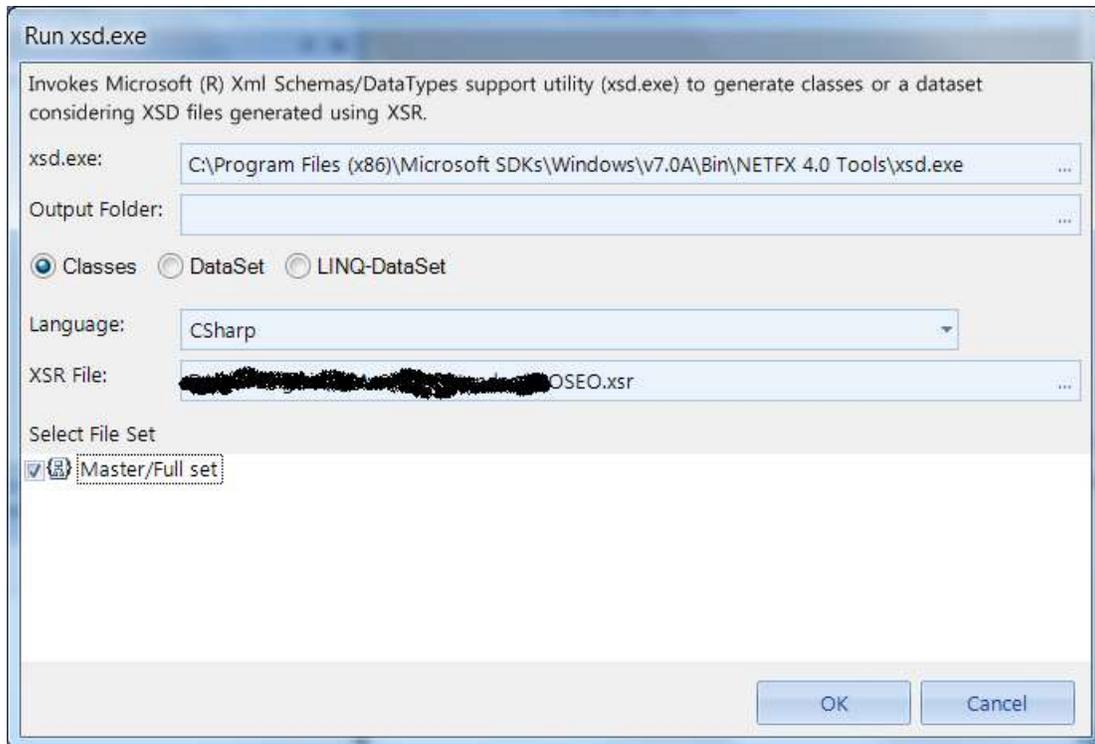
1. Download the complete solution [here](#).
2. Unzip the files on your local file system. Make sure you preserve the folder structure.
3. Make sure you know the full path to the version of xsd.exe that will be used. One way is to open a Visual Studio Command Prompt and run the command **where xsd.exe**
4. Run QTAssistant.

How to test

1. Locate and invoke QTAssistant's command **.NET xsd.exe**

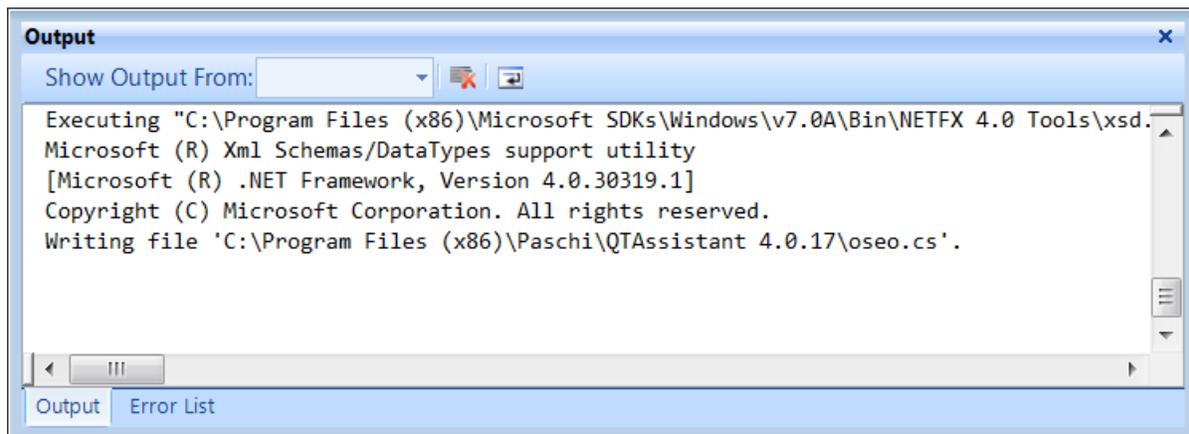


2. Fill in the prompt as shown below. Use information specific to your setup: location of your xsd.exe and the XSR file.



NOTE: The output folder option does not work (known issue).

3. Click OK. Messages generated by xsd.exe can be viewed in the Output tool window. The command line is also available for inspection.



4. Open the generated file for inspection.

```
Text Editing Tools QTAssistant - [oseo.cs]
Home Tools Edit
OSEO.xsr oseo.cs x
Angle_PropertyType Angle
//-----
// <auto-generated>
// This code was generated by a tool.
// Runtime Version:4.0.30319.239
//
// Changes to this file may cause incorrect behavior and will be lost if
// the code is regenerated.
// </auto-generated>
//-----

using System.Xml.Serialization;

//
// This source code was auto-generated by xsd, Version=4.0.30319.1.
//

/// <remarks/>
[System.CodeDom.Compiler.GeneratedCodeAttribute("xsd", "4.0.30319.1")]
[System.SerializableAttribute()]
[System.Diagnostics.DebuggerStepThroughAttribute()]
[System.ComponentModel.DesignerCategoryAttribute("code")]
[System.Xml.Serialization.XmlTypeAttribute(Namespace="http://www.opengis.net/s
[System.Xml.Serialization.XmlRootAttribute("AllowedTimes", Namespace="http://w
public partial class AllowedTimesType : AbstractSWEType {
```

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Main Goal

The whole idea is to simplify the XSD file graph to make it easy to construct the command line. The diagram showing the out of the box graph is shown next. In the process, unused content may also be filtered out.

