[](http://www.codeplex.com/SqlServerSamples)

Microsoft® SQL Server® Product Samples

Build Process, Setup and Automation

Updated:

# Overview

The official SQL Server product samples ship separately from the product (i.e. not on the installation media) via CodePlex where they are maintained as open source projects under the Ms-PL by the SQL Server community and samples team in partnership with the other development teams of the SQL Server business unit.

This document contains simple setup instructions for standing up a new workstation and creating a new build of samples from the CodePlex TFS source repository.

# Architecture

Note: complete system requirements and assumptions are documented in **build.proj** in the Samples Build solution. Approximately 2GB of free disk space is required for a full build during execution.

The build system consists of MSBuild with custom tasks, WiX3 with custom actions (currently VBS) and the CodePlex Subversion gateway are used to automate the extraction of the current source trunk, properly structure the source files to match the documentation in the CodePlex wiki and compile the source into MSIs and ZIP files. Visual Studio 2008 is only required if project components will be modified.

## Assumptions

This build operates under the presumption of a single daily build; a higher frequency may result in failure (due to race conditions, etc).

This build includes the assumption of execution with the 32-bit version of MSBuild.exe (even on x64).

Read privileges for CodePlex Subversion gateway for all projects (easy, since anonymous will do).

## System Requirements

* A command line Subversion client from http://subversion.tigris.org/; SlikSVN x64 is what I prefer.
* Wix.3.0.5120.0 from http://wix.sourceforge.net/releases/3.0.4207.0/ (WiX v3 is in a frequent state of flux; forward-compatibility is not guaranteed.)
* MSBuild Community Tasks v1.2.0.306 or higher from <http://msbuildtasks.tigris.org/>
* Microsoft .NET Framework 3.5 or higher (Visual Studio 2008 is a nice-to-have, but all were really need is CSC and MSBuild)
* SQL Server 2008 Developer or Enterprise installed Full Text Search and FILESTREAM
* Minimum of ~2GB of free drive space for temp files to create a build; double that for a locally deployed build.
* Read-write privileges for DeploymentRootPath.
* Everything else is expected to be done in $(AutomationPath).

# Process

The current manual process for a complete build of all product samples is as follows:

1. Update a local working copy of the SqlServerSamples project from CodePlex.
2. Execute the **build.cmd** with the first argument of yes:  
     
    **build.cmd yes**
3. Submit the output MSI files for CodeSigning (for final builds only).
4. Manually upload files to each of the product samples projects.

# Testing Individual Installers

TBD