

## SubSonic 2.0.2 Release Notes

It's been about 5 weeks since we release 2.0.1a, and things haven't slowed down a bit! So, a little later than initially promised, I'm proud to present SubSonic version 2.0.2, featuring a truly massive set of fixes and enhancements, as well as some entirely brand new features.

This is our first release since move the code base to Google Code, and in such, the first to really take advantage of user-submitted patches. The code here not only represents the contributions of the core team, but also a large number of SubSonic users who dove right in and tweaked, fixed, and enhance to core code base. While I won't try to mention everyone who contributed (as I'm sure I'd end up leaving people out) I would like to recognize Adam Fordham, who made us finally CLS compliant (woohoo!) and Jay Turpin who gave us some great patches the eliminate a ton of duplicated collection code, as well as an excellent batch save routine and ability to properly handle dirty records. Huge thanks to all who contributed!

Extra special recognition goes to team member Larry Beall, who is not only a great guy, but a true MySQL wizard. Through his efforts, he single-handedly built up our MySQL capability from only marginal support to being on par with SQL Server, support for transactions, views, stored procedures and relational constraints. Truly great stuff, and more than I thought we'd ever see. Larry - you rock!

A few more team mentions:

- Damien Guard, who called us on some hacks, and fixed a lot of longstanding sloppy and ugly code, making everyone's lives easier going forward.
- Phil Haack, who gave us support for stored procedure return values, laid the ground work for our next generation query framework, and provided Sugar inspiration.
- Gavin Joyce, who made some really nice enhancements to the scaffolds, and kept us honest in our VB support.
- Christopher Karper, who prepared and kept us focused on Mono support

Thank you everyone! Now, let's down to business...

## What's New and Changed

While 2.0.2 is primarily a maintenance release, there are a handful of new features and significant changes, some of them breaking. Here are some of the highlights:

- A new class called Sugar has been added to SubSonic, representing a wide range of time saving utilities using friendly, and readable naming conventions that you'll wish you had on whatever your last project was.
- With the tagging of template files as embedded resources, Resources.resx was finally able to be removed from the code base. No more duplicate template definitions!
- MbUnit tests have replaced the Visual Studio Team System ones, removing a VSTS requirement for unit test execution
- Strong name support for those looking embed the SubSonic in the GAC.
- A breaking change to ToPascalCase, which makes it, well, work. This primarily represents an issue for those of you with table names in all caps, which will now be initial caps. We apologize for this breaking change, but it was the right thing to do.
- Initial support for the setting of pre-compile directives via database extended properties. Currently preliminary, and SQL Server only.

- Serialization support via a new provider configuration parameter, **generateNullableProperties**. Set to true by default, setting it to false will generate classes that support serialization
- An option to disable the processing of database default values via the provider setting **setPropertyDefaultsFromDatabase**. Now set to false by default.
- An option to disable the automatic generation of ODS controllers via the provider setting **generateODSControllers**. Set to true by default.
- A new calendar control for the Scaffolds, which no longer necessitates postback on date changes.
- A new installer using NSIS, that won't clog up your registry. Just delete the install folder to remove an installation.

## What's Fixed

Below is a list of the Work Items closed in 2.0.2. A handful of these were actually handled in 2.0.1 or earlier, but never assigned a release.

These represent only the reported bug fixes. There are at least as many fixes drawn from forum posts. Unlike Work Items, we can't track those bugs (hint, hint)

- [Work Item 4990](#) - Query - Add GetCountDistinct support
- [Work Item 5207](#) - ToXML() for a collection
- [Work Item 7065](#) - MySqlDataProvider.GetForeignKeyTableName
- [Work Item 7326](#) - Computed column support
- [Work Item 7357](#) - Add table and view list to parameters
- [Work Item 8060](#) - Add an IsValid() method
- [Work Item 8473](#) - Database NULL should be returned as a distinct value
- [Work Item 8609](#) - Default Column Values on not-nullable columns
- [Work Item 9184](#) - MySqlDataProvider.GetTableSchema returns wrong info with MySQL 5.0.6.0
- [Work Item 9536](#) - Generated 1->Many methods not honoring exclusion list
- [Work Item 9559](#) - Change Set 21054 - SqlDataProvider.ScriptData() doesn't handle tables without primary keys
- [Work Item 9594](#) - UniqueIdentifier Defaults
- [Work Item 9661](#) - Ruby on Rails style model validations
- [Work Item 9718](#) - new RadioButtons control (like DropDown)
- [Work Item 9720](#) - DropDown needs PromptValue
- [Work Item 9826](#) - DropDown move createchildcontrol code -> OnInit
- [Work Item 9865](#) - Read only fields - update/insert
- [Work Item 9918](#) - GUID default values
- [Work Item 9919](#) - List property access on Collection objects
- [Work Item 9931](#) - Multiple OrderBy's for collections
- [Work Item 9981](#) - M2M bug in 21746
- [Work Item 9990](#) - Sonic.exe crashes
- [Work Item 9996](#) - DataService.GetInstance("Default")
- [Work Item 9998](#) - Review DropDownList Creation
- [Work Item 10007](#) - excludeTableList regex support
- [Work Item 10009](#) - Default value in Column causes compilation error
- [Work Item 10028](#) - Northwind Scripts Broken
- [Work Item 10032](#) - Add IN() to the Update
- [Work Item 10104](#) - Bug fix for templateDirectory when using SubCommander
- [Work Item 10168](#) - Unable to insert using oracle
- [Work Item 10184](#) - Allow wildcard based table/view exclusions
- [Work Item 10204](#) - NewSequentialId() as default for UniqueIdentifier
- [Work Item 10212](#) - Dropdown control with where clause
- [Work Item 10214](#) - ChangeSet 22117: Fails on NewSequentialId() default set up for PK Id (UniqueIdentifier ) field

[Work Item 10251](#) - ObjectDataSource deleting not working (Subsonic 2.0.1)

[Work Item 10258](#) - Not defining a Namespace causes syntax error

[Work Item 10267](#) - Query.GetCount only considers one where clause

[Work Item 10268](#) - VB Issue: Character Not Recognized

[Work Item 10271](#) - ValidateColumnSettings DATE failure

[Work Item 10273](#) - Utility.IsRegexMatch is broken

[Work Item 10276](#) - Inserts do not work with Oracle

[Work Item 10282](#) - Multiple WHERE clause on same column

[Work Item 10292](#) - Update MySql connector assembly to newer version

[Work Item 10300](#) - RadioButton Control

[Work Item 10302](#) - Oracle nullable columns not detected

[Work Item 10304](#) - Validation doesn't treat empty strings as NULL

[Work Item 10307](#) - Orderby, set orderstring

[Work Item 10319](#) - CopyTo(abstract record) exception with nullable int column

[Work Item 10326](#) - Scaffold edit broken in 2.01 if ID is GUID

[Work Item 10346](#) - Scaffolding ManyToManyMap does not work.

[Work Item 10351](#) - BUG: ValidateColumnSettings doesn't detect valid guid's correctly.

[Work Item 10355](#) - Scaffold DATETIME Calendar Option

[Work Item 10356](#) - Provider.GetTables() ignores SharedDbConnectionScope

[Work Item 10368](#) - classes from views, column not found: ValueX

[Work Item 10371](#) - bug in list.Comparer

[Work Item 10392](#) - Nullable parameter arguments for stored procedures

[Work Item 10432](#) - Little code cleanup Builder.cs

[Work Item 10444](#) - Scaffold.HiddenGridColumn do not get hidden

[Work Item 10450](#) - Handle Output Parameters for Stored Procs

[Work Item 10468](#) - patch for ODS\_controllers

[Work Item 10505](#) - Scaffold: Hidden PK column issue

[Work Item 10517](#) - strong name Subsonic.dll

[Work Item 10540](#) - ExtendedProperties: Exception occurs with multiple index tables

[Work Item 10543](#) - MySqlDataProvider fails with System.NotSupportedException

[Work Item 10552](#) - VSTS reference leftover in SubSonic.Tests.csproj

[Work Item 10562](#) - Revision 53 - HoursFromNow

[Work Item 10564](#) - Revision 53 - Reference to MbUnit not working

[Work Item 10568](#) - R56 - Natural Numbers

[Work Item 10592](#) - StarterSite 2.0: ContentServices.cs - Improper URL naming Scheme

[Work Item 10596](#) - Error generating views in MySql

[Work Item 10606](#) - R66 - Calendar Control

[Work Item 10607](#) - R66 - M2M not being created

[Work Item 10609](#) - R66 - excludeTableList

[Work Item 10640](#) - Unterminated string constant

[Work Item 10690](#) - AllStructs.cs: Incorrect values assigned to Tables and Views members

[Work Item 10701](#) - QuickTable control doesn't filter results correctly

[Work Item 10734](#) - MySql - DelimitDbName() method

[Work Item 10735](#) - ValidateColumnSettings Boolean failure - MySql

[Work Item 10744](#) - Fast Insert/Update

[Work Item 10759](#) - patch for medium trust APTAC

[Work Item 10798](#) - MySQL Stored Procedures Output Parameters

[Work Item 10802](#) - rev86 identity columns crashing updates

[Work Item 10826](#) - Controls need a TagPrefix defined

[Work Item 10933](#) - SQLDataProvider.ExecuteTransaction depends on defaultProvider

[Work Item 10938](#) - Writeable Foreign Key Collections

[Work Item 10948](#) - templateDirectory is ignored on command-line

[Work Item 10977](#) - rev95 CS templates - ActiveList requires 1 arg

[Work Item 11008](#) - Generating Nullable Parameters in SPs  
[Work Item 11049](#) - VB\_ClassTemplate: Invalid Syntax  
[Work Item 11069](#) - BUG(S) w/ FIX: ExecuteTransaction() does not use AddParams()  
[Work Item 11089](#) - VB Template  
[Work Item 11099](#) - feature request: SP ReturnValue  
[Work Item 11114](#) - IN command doesn't work with Update or Delete commands  
[Work Item 11132](#) - Templates not utilizing LoadAndCloseReader - connection pool timeouts  
[Work Item 11151](#) - MySqlDataProvider - Use DbType.DateTime for 'timestamp' instead of DbType.Time  
[Work Item 11190](#) - Sql 2005 TimeStamp - Can't Save Not A Valid Value  
[Work Item 11221](#) - IsDeleted should also interpret null value as false  
[Work Item 11225](#) - AllStructs (Database Structure)  
[Work Item 11226](#) - SqlDataReader not disposed when an exception is thrown  
[Work Item 11233](#) - Controller Configuration Switch  
[Work Item 11252](#) - "unrecognized escape sequence" - schema.SchemaName wrong for WinAD table owners  
[Work Item 11266](#) - Get Select DISTINCT back in the Game

So that's 2.0.2. We hope that you're as excited about it as we are!

- The SubSonic Team