



Microsoft®

Visual Studio® Team System 2008 Database Edition

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What's New in Visual Studio Team System 2008 Database Edition

T-SQL Static Code Analysis

- With Microsoft Visual Studio Team System 2008 Database Edition, you can run static code analysis on T-SQL code to automatically detect coding issues and help you optimize your code.
- Configure the rules used in your project, determine which rules to include and if you want to treat them as warnings or errors, and suppress warnings and errors.

Dependency Viewer

- Generate a tree view of the dependency chain of schema objects within a project; then view which objects are referenced by and reference any considered object.

Refactoring

New Refactoring Types

The refactoring engine supports new types of database operations. You can now use the Move Schema function to move objects between existing schemas, the Wildcard Expansion function to convert "SELECT" statements into a defined column list (if the table or view is referenced through an alias, the alias that properly expands the column list will be used, otherwise the fully qualified table or view name is expanded), and the Fully Qualify Name function to fully qualify each object reference to remove ambiguities from your query statements.

New Refactoring Target

When working on a Visual Studio VB.NET or C# project containing a strongly typed "DataSet" definition, the Database Edition refactoring engine will automatically refactor objects in the "DataSet" definition, when you refactor an object used in the "DataSet."

Refactoring Command Generator

With the new Refactoring Command Generator, you can now visualize and track in a graphical interface, refactoring operations instead of using a log file. The Refactoring Command Generator tool will create deployment statements that reflect the operation of the user.

Data Generation

- The new Sequential Data Bound Generator works similarly as the existing Data Bound Generator, except that it works on columns sequentially on the basis of a generated dictionary.
- New editors Data Bound, Sequential Data Bound, and RegEx String generators make it easier to configure the data generators.

Microsoft Build Tasks

You can now run two Microsoft Build tasks to perform schema and data comparisons from the command line:

- "SqlSchemaCompareTask" allows you to compare schemas between two databases.
- "SqlDataCompareTask" allows you to compare the content of tables and views within two databases.

Visual Studio Team System 2008 Team Suite Integration

Visual Studio Team System 2008 Database Edition is now integrated in the Visual Studio Team System 2008 Team Suite installation. You no longer have to install it separately when you install the full suite.

Miscellaneous Tools

Schema Manager API

The Schema Manager API can be used to add, update, delete schema objects, and enumerate schema objects and files. This API is used by Computer Associates (CA) to integrate ERWin 7.2 with VSDBPro so you can make changes in ERWin and store the schema definition inside a database project. See <http://ca.com/us/content/campaign.aspx?cid=144449> for more information on the ERWin integration.

Specify Table and Index Options

You can now specify options in your table and index definitions, such as the vardecimal storage format that is new in Microsoft SQL Server™ 2005.

File Support Within SQL Server File Groups

You can now define files within file groups as database project properties instead of having to create files and file groups within the pre-deployment storage script.

Cross-database References

Support is improved to enable you to reference objects in different databases by using database project references or referencing a database metafile (.dbmeta). This support will reduce or eliminate the cross database reference warnings within a database project.

Variables

You can now define "setvar" variables for use in the deployment scripts from the new Variables page in the database properties.

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