



## Overview

DB Elementals is a multi-database management and development tool built on the Microsoft .Net platform. DB Elementals is designed to simplify database management, development and maintenance tasks across a variety of database platforms by providing a consistent user interface experience combined with an extremely complete set of management and productivity features.

**Currently we have support for the Microsoft SQL Server database** platform with others such as Oracle and IBM DB2 under development.

DB Elementals provides simple visual interfaces to all database tasks, generating the necessary SQL operations automatically. However, unlike many other database tools, **the user is always in control** and can instantly see which operations will be performed at each step - a great way for novices to learn while giving advanced users all the flexibility they require and the peace of mind that there will be **no black box operations** performed against their critical databases.

## Features

### Application Features

- DB Elementals is designed from the ground up to support multiple database types and to provide a consistent functional and visual experience across the different databases.
- DB Elementals encompasses all the productivity features of a modern Microsoft Windows application all of which have been adapted appropriately for a technical environment to provide a familiar and powerful user experience.
- Easy to navigate tree-based database explorer allowing simultaneous connection to multiple databases.
- Grouped-tabbed MDI style interface that keeps database instance views separate.
- Connections can be aliased and grouped to simplify dealing a with large number of database instances.
- Allows secure remote connections.



- While the application provides much of the functionality to manage and create database objects, the control rests with the end user by always showing the SQL statements generated for an operation. The SQL statements are automatically updated as options are selected in the user interface.

### **Database Object Management Features**

- DB Elementals currently supports viewing, creating, altering and dropping of the following database objects:

Databases, Tables, Views, Procedures, Functions, Indexes, Triggers, Constraints, Datatypes, Roles, Users, Defaults, Rules.

- The ability to generate SQL for changes to objects that require the dropping and recreation of an object including any data currently stored in that object.
- Easily create objects based on current objects.
- View/kill active processes, process locks, CPU usage, memory and disk utilization.

### **Source Control Features**

- Integrates with any SCC compliant source control system such as Microsoft Visual Source Safe.
- Source control for projects and workspaces much like Visual Studio, including direct database object source control management in the database explorer tree view.



### **SQL Editor Features**

- Syntax highlighting.
- Code complete.
- Advanced data editor (including viewing image data thumbnails in the data grid), uploading and saving of blob data from/too disk, and strict data validation on data input for all data types.
- Queries can be run in 'test mode' with auto-rollback functionality.
- Data results can be saved in XML, Excel, HTML or CSV formats.
- SQL statements can be copied to the clipboard as HTML or RTF with preservation of syntax highlighting.

### **Database Scripting Features**

- Powerful individual object scripting including creation, selection, insertion, deletion and many more. Generate scripts to new edit windows, to the windows clipboard or directly to file.
- Specialised productivity scripting features such as automatically generating stored procedures that perform inserts or updates on tables.

### **Database Documentation Features**

- Generates documentation for one or multiple databases in one file.
- HTML or Microsoft Compiled Help (chm) output formats.
- Choose which objects and which object properties you wish to include in a simple visual manner.
- Save documentation profiles for later use.

### **Additional Features**

- Automatic Updates.
- Integrated Error Reporting.
- Easy installation with no server-side installation required.



## System Requirements

### Software Requirements

- The Microsoft .Net framework 1.1 is required.
- In addition to this the appropriate .NET data provider is required for databases other than Microsoft SQL Server (these are detailed separately for each supported database).
- No server-side installation on the database is required at all.
- MDAC 2.6 or higher for SQL Server 2000.
- MDAC 2.8 or higher for SQL Server 2005.

### Hardware Requirements

- 20MB hard drive space.
- Windows 2000, Windows 2000 Server, Windows XP or Windows Server 2003 with latest service packs installed.
- Monitor with a minimum resolution of 800 x 600 (1024 x 768 recommended) capable of displaying 16-bit color or greater.

### Supported Database Environments

- Microsoft® SQL Server 2000 (SP3) (currently supported in alpha)
- Microsoft® SQL Server 2005 (currently supported in alpha)
- Oracle 9i (under development, scheduled for second release)
- Oracle 10i (under development, scheduled for second release)
- MySQL (under development, scheduled release to be announced)
- IBM DB2 (under development, scheduled release to be announced)



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