



## About database schema reporting utility

DTM Schema Reporter is a reporting tool for database schema. It allows you to achieve two goals:

1. Create a report for [database schema](#) or [security information](#).
2. Manage database objects [descriptions](#) and [extended properties](#).

You can use following report formats: RTF (Microsoft Word compatible), HTML (three options: single file, set of frames, or one file per object), XML, CHM (Windows HTML Help), PDF, Excel, or plain text.

## Product Editions

There are two editions of the DTM Schema Reporter: Standard and Professional.

Please refer the following table to explore differences between the product versions:

<b>Option</b>	<b>Standard</b>	<b>Professional</b>
Includes <a href="#">import descriptions</a> tools	No	<b>Yes</b>
Includes <a href="#">export descriptions</a> tools	No	<b>Yes</b>
Includes Extended <a href="#">Property Editor</a>	No	<b>Yes</b>
x64 edition	No	<b>Yes</b>



## System Requirements

DTM Schema Reporter is a Windows application, known to be compatible with the following operating systems: Windows XP, Windows 2003 and newer Server family and Windows Vista, 7, 8/10 (desktop). The 64-bit edition is also available. DTM Schema Reporter supports all unified database interfaces: ODBC, OLE DB and IDAPI. Also, it supports native Oracle interface (OCI).

## Reporting tool user interface

The program has a panel-based user interface. Please use navigation tree at the left side of the window to switch current view or mode.

You can view [connection](#) information in the status bar at the bottom side of the window.

The screenshot shows the DTM Schema Reporter application window. The title bar reads "DTM Schema Reporter [untitled \*]". The menu bar includes "File", "Report", "Tools", and "Help". The toolbar contains icons for file operations and execution. On the left is a navigation tree with the following items: Project, Schema (Tables, Views, Procedures, Synonyms, Ext. Properties), Security, Model, Output, Descriptions (Import, Export), Settings, Styles, Ext. Property Editor, Execution Console, Log File, and SQL Console. The main area is titled "Tables Reporting Options" and contains the instruction: "Please select tables to be reported. Double click the table to enter or edit description." Below this is a table with columns "Table Name" and "Description".

Table Name	Description
<input checked="" type="checkbox"/> HumanResources.Employee	Employee information such as salary, department, and...
<input checked="" type="checkbox"/> HumanResources.EmployeeAd...	Cross-reference table mapping employees to their ad...
<input checked="" type="checkbox"/> HumanResources.EmployeeDe...	Employee department transfers.
<input checked="" type="checkbox"/> HumanResources.EmployeePa...	Employee pay history.
<input checked="" type="checkbox"/> HumanResources.JobCandidate	Resumes submitted to Human Resources by job applic...
<input checked="" type="checkbox"/> HumanResources.Shift	Work shift lookup table.
<input checked="" type="checkbox"/> Person.Address	Street address information for customers, employees,...
<input checked="" type="checkbox"/> Person.AddressType	Types of addresses stored in the Address table.
<input checked="" type="checkbox"/> Person.Contact	Names of each employee, customer contact, and ven...
<input checked="" type="checkbox"/> Person.ContactType	Lookup table containing the types of contacts stored i...

Below the table is the instruction: "Field(s) for table 'Production.BillOfMaterials' (double click the field to enter or edit description)". This is followed by another table with columns "Field Name" and "Description".

Field Name	Description
BillOfMaterialsID	Primary key for BillOfMaterials records.
ProductAssemblyID	Parent product identification number. For...
ComponentID	Component identification number. Foreign...
StartDate	Date the component started being used i...
EndDate	Date the component stopped being used i...
UnitMeasureCode	Standard code identifying the unit of mea...
BOMLevel	Indicates the depth the component is fro...

On the right side of the dialog are several buttons: Refresh, Up, Down, Sort by Name, Select All, Clear Selection, Reverse Selection, and Select by Mask. The status bar at the bottom indicates: "Connected to SQL Server Native Client 10.0: //AdventureWorks [Local Northwind DB]"

Quick Start: [how to connect?](#)

There are five ways to connect to a database:

1. [Direct connection](#)
2. Connection to [desktop files](#)
3. [Data source](#) with ODBC, IDAPI or Oracle Call Interface (OCI)
4. [DSN File](#) connection
5. [OLE DB](#) connection

In all modes the "Test" and "Information" buttons, as well as tools for working with connection [profiles](#) are available. "Test" button allows you to check information you entered and/or data source (or alias) configuration.

See also:

- Troubleshooting [guide](#)
- Connection [information](#)
- Connection [profiles](#)

## Connection Quick Start Guide

Database	How to connect
MS SQL Server	Enter or select server name at the <a href="#">direct connection</a> panel
Local SQL Server Express	Enter .\SQLEXPRESS as server name at the <a href="#">direct connection</a> panel
Oracle	1) Switch to <a href="#">data sources</a> mode 2) select OCI as "Interface" 3) select your service name from data source drop-down menu
DB2	Use <a href="#">direct connection</a> panel or Use predefined <a href="#">ODBC DSN</a> for custom connection settings
MySQL	<b>Install ODBC driver for MySQL from <a href="http://www.mysql.org">www.mysql.org</a></b> Use <a href="#">direct connection</a> panel or Use predefined <a href="#">ODBC DSN</a> for custom connection settings
PostgreSQL	Use <a href="#">direct connection</a> panel or Use predefined <a href="#">ODBC DSN</a> for custom connection settings
Interbase/Firebird	<b>Install ODBC driver</b> Use <a href="#">direct connection</a> panel or Use predefined <a href="#">ODBC DSN</a> for custom connection settings
Microsoft Access	1) Switch to " <a href="#">Desktop File</a> " panel 2) Select "Access" as file type, enter or select file name
Microsoft Excel	1) Switch to " <a href="#">Desktop File</a> " panel 2) Select "Excel" as file type, enter or select file name
<i>Another database</i>	1) Install ODBC driver for your database system 2) Create ODBC data source name using Windows ODBC Administrator 3) Switch to <a href="#">data sources</a> mode 4) select your data source from drop down menu

## Direct Connection

The direct connection method allows you to connect to most popular databases ([MS SQL Server](#), [Oracle](#), [Interbase/Firebird](#), [MySQL](#), [PostgreSQL](#) and [DB2](#)).

Enter the server name and the database name, if required. The user name and password are optional. Their necessity depends on the settings of your database. The owner name (schema) is optional too. The list of visible database objects depends on the choice of the owner. If the owner is empty, you will access all objects. There is important that schema/owner name is case sensitive.

If you do not find the required database type in the list or cannot connect directly, use a connection through the predefined data source. If DBMS is in the list, but unavailable, it means that either the required ODBC driver is not installed or it is not configured properly. During its use, the program stores the entered values of server names, users and owners. You can select a value from the stored list using the corresponding combo box. For some DBMS types (MS SQL, for example), the program can fill the list of available databases. Use the button with two arrows for this purpose.

## DBMS-specific connection options

### Microsoft SQL Server

- "(local)", empty or "." server name means local server
- use <server name>\<instance name> syntax to identify instance. Example: .\SQLEXPRESS means SQL Express at the local system

### Oracle

Use connect string for the Oracle Server that you want to access as a Server name.

Important: it is strongly recommended to use native Oracle Call Interface ([OCI](#)) instead of direct connection.

### Interbase and Firebird

Examples:

- Server: **localhost** and Database **c:\interbase\myDb.fdb** - connect to specified DB on local system.
- Server: **172.17.2.10/3051** and Database **/usr/local/db/myDb.fdb** - connect to specified server with alternate port 3051 on remote system 172.17.2.10

### MySQL

- Use **localhost** for local MySQL
- `example.com;port=3306` means MySQL at example.com on 3306 port

## DB2

**ServerName;port=5000;protocol=TCPIP** as a server name means connect to ServerName, use 5000 port and TCP/IP protocol.

## PostgreSQL

**ServerName** as a server name means connect to ServerName, use 5432 port and TCP/IP protocol. Database name is required. localhost as a server name is acceptable. To specify custom port you should add `";port=NNNN"` string to server name.

**server\_name\_or\_ip-address;port=5432;DATABASE=dbname**



## Desktop Files

The second way is designed for connecting to desktop data files. Select the required format and specify the file name or the directory where the data is located. Other parameters are optional.

Connections to Desktop Data File

Text file (\*.txt, \*.csv)    Format: CustomDelimiter    ANSI    Delimiter: |

Microsoft Access file (\*.mdb, \*.accdb)     use Microsoft Jet (ODBC by default)

dBase, FoxBase or FoxPro file (\*.dbf)

Microsoft Excel file (\*.xls, \*.xlsx, \*.xlsb)

Paradox file (\*.db)

FoxPro database container (\*.dbc)

SQLite database

Location: D:\Projects And Files\tickets.mdb    Browse...

Authentication information, optional:     Read Only mode

User / Login:

Password:     Note: Tickets

## Predefined data sources: ODBC, IDAPI, Oracle Call Interface

A connection with the use of a data source is the most universal. You can select ODBC, IDAPI or OCI (if installed) interface and the preconfigured data source name. In this case, other options are similar to those of a direct connection. The "Manage" button allows you to get access to the external configuration utility if it is available. When you want to access the tables belonging to the single database schema (or owner), you should fill the "owner" entry; otherwise, all tables will be accessed.

Connections to existing and configured data sources

Interface	<input type="text" value="ODBC"/>	<input type="checkbox"/> Manual commit
Data source	<input type="text" value="localserver"/>	<input type="button" value="Manage..."/>
User (login)	<input type="text" value="sa"/>	
Password	<input type="password" value="xxxxxx"/>	
Database	<input type="text" value="Northwind"/>	
Owner	<input type="text" value="dbo"/>	
Note	<input type="text" value="Local SQL Server"/>	

## DSN File

The fourth way is using a DSN file. For this case, just select the file name with DSN definition.

Connections to existing and configured file DSN

File DSN name

Note

## OLE DB connection

Use 'Configure' button to specify connection information. Password and owner fields are optional.

Connections using OLE DB providers

Connection properties Configure...

```
Provider=SQLOLEDB.1;  
Persist Security Info=False;  
User ID=sa;  
Initial Catalog=Northwind;  
Data Source=DTM-ACER2;  
Use Procedure for Prepare=1;  
Auto Translate=True;  
Packet Size=4096;
```

Password

Owner

Note

## Connection Profiles

Connection profile helps you to save information about your connection (interface, data source or alias name, user name (login), password and database name, etc) and get access it by the one click.

Please fill connection properties and press "Add as new" to add a new profile. To modify the profile you should select it from the list at the top of the window, modify properties and press "Update". "Delete" button works when you select the profile to be deleted in the list.

"Save" and "Load" buttons allow you to save profiles to the disk file or load them. The "Export one" button helps to save single currently selected profile.

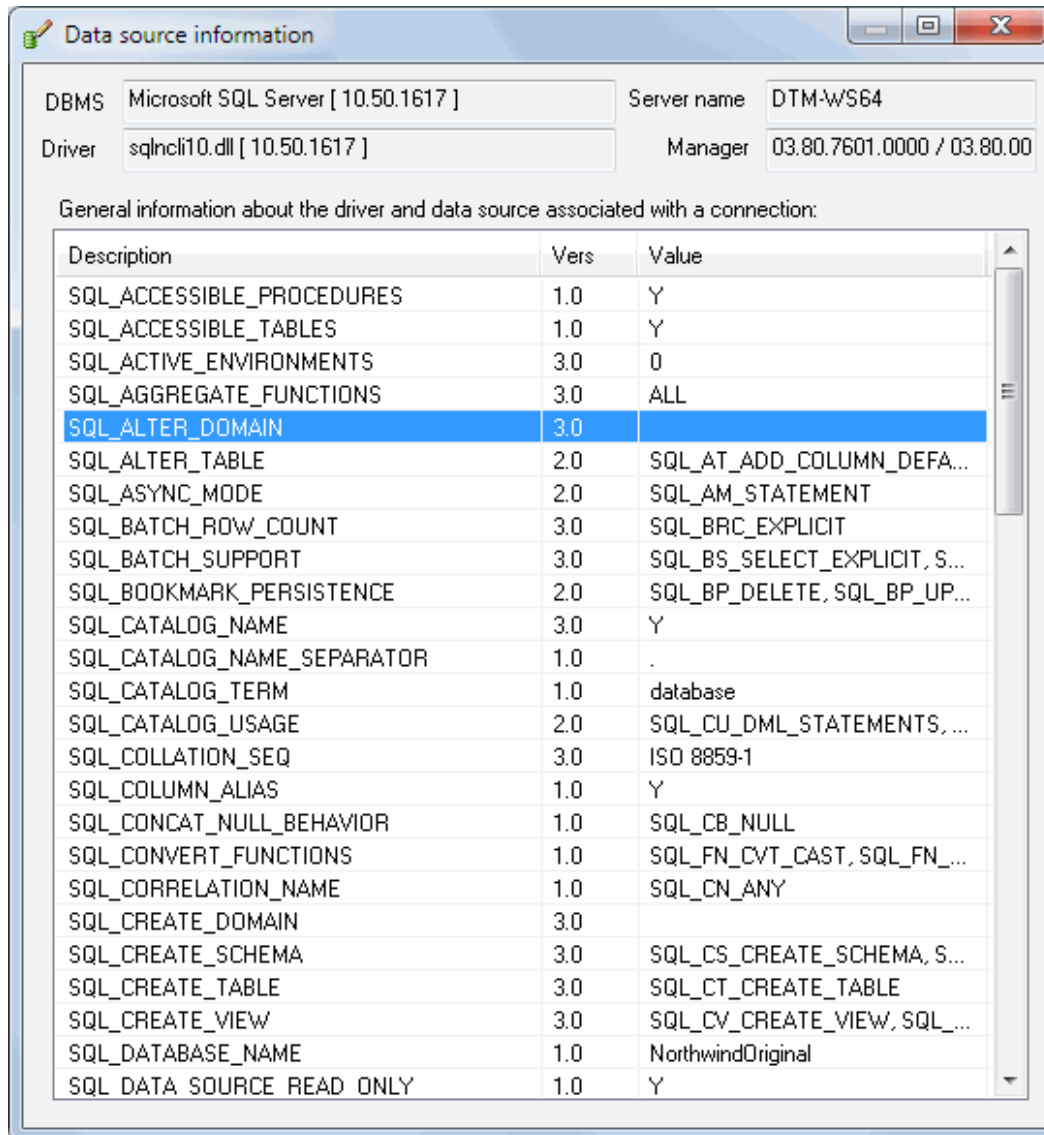
Important: all profiles are shared between all installed DTM soft products. That means once created profile can be used with any tool. At the other side if you remove the profile from the list you can't use it with DTM soft's products anymore.

Mode	Interface	Source or Server	User	Owner	Database	Note
Direct	ODBC	.			Northwind	Local server
Direct	ODBC	DTM-XP	sa		AdventureWorks	
Direct	ODBC	.		dbo	NorthwindOriginal	Local Read Only DB
DSN	ODBC	Saramdb				SaraMDB
DSN	ODBC	test_new				Test MDB
Desktop	ODBC	ACCESS				Test MDB
DSN	ODBC	test_old				Test MDB
Direct	ODBC	.		dbo		
Direct	ODBC	.		dbo		2
DSN	OCI	ORCL	OE			ORCL/OE
DSN	ODBC	ORCL_ODBC	OE	OE		ORCL/ODBC
DSN	OCI	10G	OE			Oracle 10g (VM)

Buttons: Add as New, Update profile, Remove profile, Export One..., Save..., Load...

## Connection Information

The program provides detailed database, connection and driver information and properties. The "Information" button at the connect window allows you to view it.



The screenshot shows a window titled "Data source information" with the following fields:

- DBMS: Microsoft SQL Server [ 10.50.1617 ]
- Server name: DTM-WS64
- Driver: sqlncli10.dll [ 10.50.1617 ]
- Manager: 03.80.7601.0000 / 03.80.00

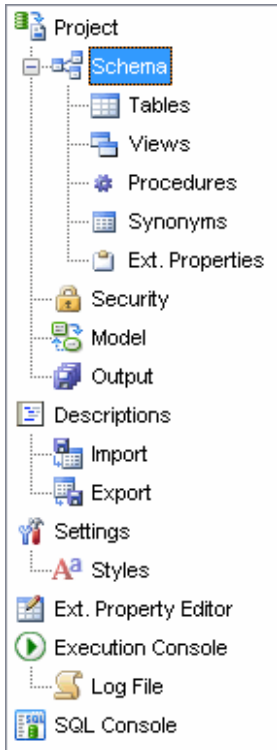
General information about the driver and data source associated with a connection:

Description	Vers	Value
SQL_ACCESSIBLE_PROCEDURES	1.0	Y
SQL_ACCESSIBLE_TABLES	1.0	Y
SQL_ACTIVE_ENVIRONMENTS	3.0	0
SQLAggregate_FUNCTIONS	3.0	ALL
SQL_ALTER_DOMAIN	3.0	
SQL_ALTER_TABLE	2.0	SQL_AT_ADD_COLUMN_DEFA...
SQL_ASYNC_MODE	2.0	SQL_AM_STATEMENT
SQL_BATCH_ROW_COUNT	3.0	SQL_BRC_EXPLICIT
SQL_BATCH_SUPPORT	3.0	SQL_BS_SELECT_EXPLICIT, S...
SQL_BOOKMARK_PERSISTENCE	2.0	SQL_BP_DELETE, SQL_BP_UP...
SQL_CATALOG_NAME	3.0	Y
SQL_CATALOG_NAME_SEPARATOR	1.0	.
SQL_CATALOG_TERM	1.0	database
SQL_CATALOG_USAGE	2.0	SQL_CU_DML_STATEMENTS, ...
SQL_COLLATION_SEQ	3.0	ISO 8859-1
SQL_COLUMN_ALIAS	1.0	Y
SQL_CONCAT_NULL_BEHAVIOR	1.0	SQL_CB_NULL
SQL_CONVERT_FUNCTIONS	1.0	SQL_FN_CVT_CAST, SQL_FN_...
SQL_CORRELATION_NAME	1.0	SQL_CN_ANY
SQL_CREATE_DOMAIN	3.0	
SQL_CREATE_SCHEMA	3.0	SQL_CS_CREATE_SCHEMA, S...
SQL_CREATE_TABLE	3.0	SQL_CT_CREATE_TABLE
SQL_CREATE_VIEW	3.0	SQL_CV_CREATE_VIEW, SQL_...
SQL_DATABASE_NAME	1.0	NorthwindOriginal
SQL DATA SOURCE READ ONLY	1.0	Y

## Troubleshooting Guide

Problem description	Possible reason	Solutions
Required database type not present in the list at Direct Connection and Desktop Connection pages		Switch to "data source" connection mode and select data source from the list or configure new one with "Manage" button.
Required format is in the <a href="#">direct connection</a> list, but not available (disabled).	ODBC driver for your database does not installed or not configured properly.	Install required driver. If it is already present in the system, please contact our <a href="#">support staff</a> .
Errors during direct connection.	Compatibility problems.	Try to create data source for your database connection.
Login error for correct user name and password.	Read-only desktop data file.	Try to change file mode to 'read and write'.
I can't see relationships, defaults, etc in my Access Database.	Access interface.	Try to switch on "Use Microsoft Jet" check box at the "Desktop File" page of the Connect Window.

# Report Types



There are two types of the database report:

- Database [Schema Report](#).
- [Security Report](#).

You should use the toolbar icons at the left side of the [product](#) window to switch between reports. Also, you can select default report type in the [Settings](#) window (section "General Product Settings").




## Database Schema Report

Database Schema Report contains information about database objects: tables, views, stored procedures, triggers, data types, etc.

DTM Schema Reporter allows you to choose which [tables](#), [views](#), [procedures](#), or [synonyms](#) will be included in the report and to set the object's order. Moreover, the program allows you to create or edit [descriptions](#) for tables, columns, views, synonyms, and procedures; these descriptions will be included in the report as well.

DTM Schema Reporter allows you to include the following objects in the [schema](#) report:

Object	Item	Description
Table	Column data type	The system or user-defined data type like 'int' or 'VARCHAR2'.
	Column size (width)	For sizable data types like 'char' or 'varchar' only.
	Column nullability	Does column accept NULL values or no.
	Column default	Default value for the column.
	Check constraints	Table and column level value limitations.
Table	Description	Table description
Column	Description	Column description
Table	Primary key	Key name and columns
Table	Indexes	Index name, indexed columns, and index properties
Table	Triggers	Table level trigger name and properties
Table	Foreign keys (relationships)	Key name, columns, and linked table information
Table	Dependencies	Dependent objects of the table
View	Column list	List of column provided by view
View	Dependencies	Dependent objects of the view
Synonym		Basic information about synonyms
View	Triggers	Triggers associated with the view
Procedure/Function	Parameters	List of parameters with name and data type
Procedure/Function	Dependencies	Dependent objects of the procedure or function
Rule		Basic information for rule (Microsoft SQL Server only)
Database	Trigger	Database level triggers information (Microsoft SQL Server only)
Table, column, view or procedure	Extended properties	Extended properties of the database object
Database	Data type	Name, code, parent type (if applicable), searchable, nullable, etc.



### Database Schema Report Options

Include Tables into the report     With DDL script

Column data type     Nullability     Check constraints     Primary key  
 Dependencies     Description     Default  
 Indexes     With DDL script

<input checked="" type="checkbox"/> Triggers	<input type="checkbox"/> With DDL script		
<input checked="" type="checkbox"/> Foreign keys	<input type="checkbox"/> With DDL script		
<hr/>			
<input checked="" type="checkbox"/> Include Views into the report	<input type="checkbox"/> With DDL script	<input checked="" type="checkbox"/> Columns	<input type="checkbox"/> Triggers
		<input type="checkbox"/> Dependencies	
<hr/>			
<input checked="" type="checkbox"/> Include Procedures and Functions into the report	<input type="checkbox"/> With DDL script		
	<input type="checkbox"/> Dependencies	<input checked="" type="checkbox"/> Parameters	
<hr/>			
<input type="checkbox"/> Include Synonyms into the report	<input type="checkbox"/> With columns		
<input checked="" type="checkbox"/> Include Rules into the report	<input type="checkbox"/> With DDL script		
<input checked="" type="checkbox"/> Include information about Data Types to the report			
<input type="checkbox"/> Include Extended Properties information into the report (Microsoft SQL Server only)			
<input type="checkbox"/> Include Database Level triggers into the report (MS SQL Server only)			
<hr/>			
Please use Tables, Views, Procedures, Synonyms and Properties pages to setup database object lists			

"With DDL script" option means the program should include SQL statement for the object into the schema report. It is switched off by default.

# Database Security Report

Database Security Report contains information about users, security roles, permissions, etc.

The Security Report is currently available for Microsoft SQL Server and Oracle only. It contains:

- User Roles
- Server Roles (SQL Server and Sybase only)
- Database Roles
- Users/Logins and groups
- Permissions by user
- Permissions by database object
- Permissions by role



## Security Report Properties

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Database Users       | <input checked="" type="checkbox"/> Database Roles   |
| <input checked="" type="checkbox"/> User permissions     | <input checked="" type="checkbox"/> Server Roles     |
| <input checked="" type="checkbox"/> User roles           | <input checked="" type="checkbox"/> Role permissions |
| <input type="checkbox"/> Permissions by Database Objects |  |

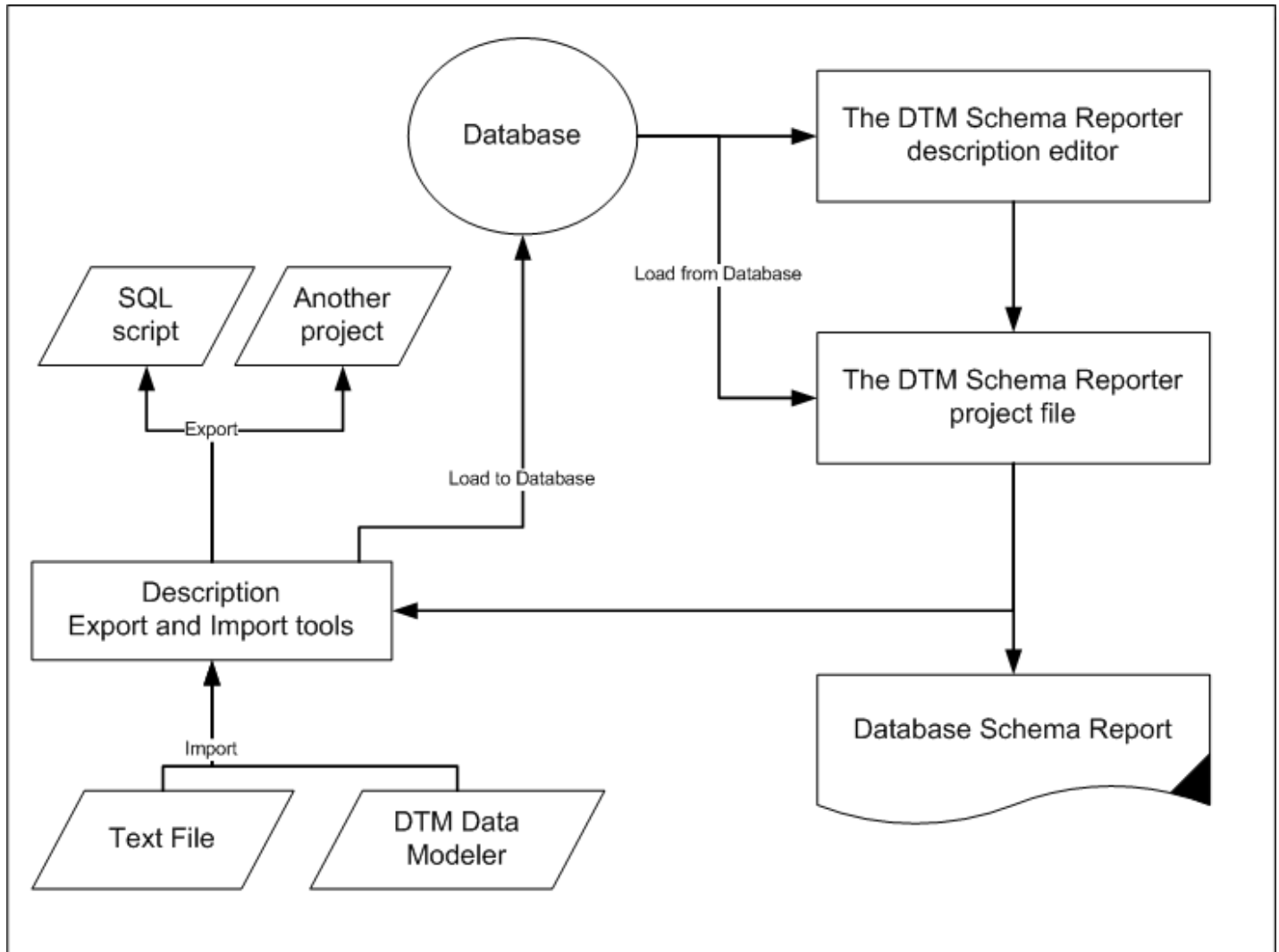
## Object Descriptions

Database objects descriptions support is an important set of options of the reporting tool.

The program can extract descriptions for most popular database systems: MS SQL Server (MS\_Description extended property), Oracle and DB2 (comment), Microsoft Access, etc. The program allows the user to add or modify descriptions in the project file for most important database objects: tables, views, columns, procedures, functions, etc.

To save modified descriptions back to the database the [professional](#) version of the tool provides [description export tools](#).

The following chart explains description lifecycle and product's components:




## Database object descriptions export

This page provides you export options for database object's descriptions. The export features are available in the professional [version](#) of the [reporting tool](#) only.

There are three types of targets for export process:

1. Database. This export type is most useful when you need to save entered or updated descriptions back to your database. The program uses current database connection as a destination.
2. SQL script file. In this case, the reporting tool generates a set of SQL statements, one per description. The output format depends on export settings.
3. Another DTM Schema Reporter project file. Please keep in mind that target file must have the same set of tables, views, etc. as an active project. A few descriptions will not be written otherwise.

 **Descriptions Export Tool**

Export descriptions to currently connected database directly.

Export descriptions to SQL script file.

Overwrite or define Database schema (owner), optional :

Description format :  for version

Separator :

Export descriptions to another DTM Schema Reporter project.


Skip empty items

## Database object descriptions import

This page provides you import options for database object's descriptions. The import features are available in the professional [version](#) of the [reporting tool](#) only.

The import tool supports three type of description sources. They are:

1. Another DTM Schema Reporter project. The project must have the same structure (set of tables, view, procedures) as an active project. A few descriptions will be not imported otherwise.
2. DTM Data Modeler project.
3. The text file with delimiters. Each row of the source file corresponds to one description.

 **Descriptions Import Tool**

Import descriptions from another DTM Schema Reporter project.

Import descriptions from DTM Data Modeler project.

Import descriptions from external text file. One line per table or column.

Format: table<sep>description for table<sep>field<sep>description  
Example: dbo.MyOrdersTable<tab>My table for orders

Separator

## Report Output Options

The [program](#) has a few settings and options that help you make your report more flexible and manageable.

These settings are:

Option	Default Value	Description
Output format	Off	A set of check-boxes allows you to select one or more output formats. The current version of the DTM Schema Reporter supports RTF (Microsoft Word compatible), HTML (three options - use drop-down menu to select), XML, PDF, CHM (Windows HTML Help), MS Excel and plain text target formats. You can create a report with one or more formats at once.
HTML Document type	Single	It defines HTML output type: single document, frameset or one document per database object.
Save the report to	Empty	These edit boxes allow you to specify one or more output file name.
Report title	See <a href="#">settings</a>	The program uses this string as report title.
Open the created report with...	Off	The program automatically opens the results with an application associated with the selected report type (MS Word, Internet Explorer, Notepad etc.) after execution.
The format for automatic open	N/A	The program can open only one output file automatically. This drop-down menu allows the user to select the format that will be opened.
Include summary information	On	The option switches on or off report header that includes general information like connection properties, report date, product version, etc.
Table of Content	On	Include or no table of content for DOC/RTF and HTML output.

You must specify the file name to save the newly created report to for at least one format. Use "Browse" buttons to select destination file. Warning: when you change the target report format (RTF, HTML, XML, CHM, PDF, Excel<sup>\*</sup>, or plain text), be sure that the file extension complies with the report type. Otherwise, you will have a problem when opening that file with the associated application. In most cases, you can use \$DATE\$ and \$TIME\$ macros in the file name to make reporting output more flexible.

\* - installed Microsoft Word is required.

**Report Options**

Output format(s)      Save report(s) to

RTF, MS Word compatible      d:\northwind.doc      ...

HTML Document      File per object      d:\      ...

XML Document                ...

Plain Text           d:\ttt.txt      ...

Windows Html Help (.chm)           d:\1.chm      ...

PDF Document           d:\ooo.pdf      ...

MS Excel Spreadsheet           d:\yy.xls      ...

Report Title

Database Schema Report

Open the created report with associated program for RTF format

Include summary information

Create Table of Contents

The program saves the major settings and options even if you don't use project files.

See also: [settings](#).



## Product Settings

There are three groups of settings: general product options, report customization settings, [styles settings](#) for RTF/DOC output.

The general settings are:

Option	Default Value	Description
Default report type	Schema Report	Defines report's panel that will be activated after program startup: <a href="#">schema</a> or <a href="#">security</a> .
Log level	Default	Defines quantity and refinement of error or diagnostics messages that the program will write to the log file.
Log file location	Empty, default location	Defines custom path log file. An empty value means default location.
Help compiler	Empty	User should define a path to Microsoft HTML help compiler if the program could not find this tool automatically. This option is mandatory if CHM (Windows HTML help) output is required.

The report customization settings are:

Option	Default Value	Description
Add Title/Header to report	On	When this option is switched off the program skips title block of the object.
Add record length...	Off	Instructs the <a href="#">reporter</a> to add a length of the record and number of columns into the report.
Report about empty lists	Off	The software product can add information about empty object lists (for example, "No PK is present for this table.") if you turn this option on.
SQL syntax highlighting	On	The option is suitable for HTML/CHM and Doc/RTF formats only. The program uses black and white output if the option is switched off.
Report strings profile location	Empty. means "tmpl/english.ini".	"Report strings profile" is a text file (Windows INI) that the program uses during report generation. The file contains all static report strings. The user should change it to <a href="#">customize</a> or <a href="#">localize</a> the report. The program uses default profile for empty value. The default file is located at "tmpl" subdirectory and named "english.ini".
HTML Document Language	en-us	Please change these options for non-Latin output.
HTML Document Charset	iso-8859-1	Please change these options for non-Latin output.
Exclude objects by name	dt_, sys, dtpro, _WA_, INFORMATION_SCHEMA	It helps the user to exclude from reports database objects by the mask. If the name of an object begins from one of the specified masks, the program will skip object during report generation.
Default report title	Database Schema Report	The program will copy this title to new projects.



Add Title/Header to the report       Add number of fields and record length to the table header

Report about an Empty lists       SQL Syntax Highlighting

Exclude objects by name :

Report Strings Profile :  ...

Html Report Charset :  ▼

Html Report Language :  ▼

Default report type :  ▼      Default title :

Log level :  ▼

Log File Location :  ...

Help Compiler Location :



The settings for DOC/RTF styles are available to edit at this page:

**DOC/RTF styles customization**

Use Stylesheet       Define attributes immediately

Object Class	Style Name	Font, Size (pt), Bold
Normal		Times New Roman 10
Header 3 Additional	Header 2	Times New Roman 12 <input checked="" type="checkbox"/>
Header 2 Object name	Header 1	Times New Roman 14 <input checked="" type="checkbox"/>
Header 1 Object type	Topic Title	Times New Roman 16 <input checked="" type="checkbox"/>
Report title	Report Title	Times New Roman 18 <input checked="" type="checkbox"/>

Use Landscape page orientation

There are five classes of objects in the report: normal text, 3 headers and report title. The program provides two ways to customize these objects. The first one is assign style name and define style outside the program: MS Word template file is a sample location for styles. The program allows the user to assign style name for each group of objects except normal text. It has "Normal" style name in any case.

The second way is to assign font style and size immediately for each object class. Also, the user can assign Bold or Normal font width for each item.

See also: [product settings](#).

## Table List Selection

DTM Schema Reporter allows you to select tables which will be added to the report. Press "Tables" button at the main window to open the corresponding dialog. By default, all tables are on. You can remove any table from the report by unmarking a checkbox near the table name.

Also, you can add small text [descriptions](#) for tables and columns:

- To set or update a description, select the table (or column) and double click. Enter text in pop-up window and select OK
- To clear a description, select the table or column and enter an empty string in the pop-up window.

Use "Select all" and "Clear selection" buttons to mark all tables in the list or to remove the selection for all tables. Moreover, the user can select required tables by case sensitive mask (name substring) using related edit box and button.

You can use "Up" and "Down" buttons for move table position up or down in the list. Then the tables will be presented in the report in the corresponding order.

**Tables Reporting Options**

Select tables to be reported. Double click the table to enter or edit note.

Table Name	Note (annotation)
<input checked="" type="checkbox"/> dbo.AWBuildVersion	Current version number of the AdventureWo...
<input checked="" type="checkbox"/> dbo.DatabaseLog	Audit table tracking all DDL changes made to...
<input checked="" type="checkbox"/> dbo.ErrorLog	Audit table tracking errors in the the Advent...
<input checked="" type="checkbox"/> HumanResources.Depar...	Lookup table containing the departments wit...
<input checked="" type="checkbox"/> HumanResources.Empl...	Employee information such as salary, depart...
<input checked="" type="checkbox"/> HumanResources.Empl...	Cross-reference table mapping employees t...
<input checked="" type="checkbox"/> HumanResources.Empl...	Employee department transfers.
<input checked="" type="checkbox"/> HumanResources.Empl...	Employee pay history.
<input checked="" type="checkbox"/> HumanResources.JobC...	Resumes submitted to Human Resources by...
<input checked="" type="checkbox"/> HumanResources.Shift	Work shift lookup table.

Field(s) for table 'Person.AddressType' (double click the field to enter or edit note)

Field Name	Note (annotation)
AddressTypeID	
Name	
rowguid	
ModifiedDate	

Please enter or edit note for 'Name'

Address type description. For example, Billing, Home, or Shipping.

OK Cancel

The dialog saves the sizes and positions of windows either for the current session or between sessions.

Important: the [program](#) uses table list selection in the report only, not in the entity-relationship [diagram](#).

See also: [about descriptions](#).



## Views, Procedures and Synonyms Selection

[DTM Schema Reporter](#) allows you to select views, synonyms and stored procedures which will be added to the report. Press "Views" (or "Procedures") button at the main window to open the corresponding dialog. By default, all objects are on. You can remove any view (or procedure) from the report by unmarking a checkbox near the object name.

Also, you can add small text [descriptions](#) for views and stored procedures:

- To set or update a description, select the object and double click. Enter text in pop-up window and select OK
- To remove a description, select the object and enter an empty string in the pop-up window.

Use "Select all" and "Clear selection" buttons to mark all objects in the list or to remove the selection for all views or procedures. Also, the user can select required tables by case sensitive mask (name substring) using related edit box and button.

You can use "Up" and "Down" buttons for move object position up or down in the list. Then the objects will be presented in the report in the corresponding order.

**Stored Procedures and Functions Reporting Options**

Please select procedures and functions to be reported. Double click the item to enter or edit note.

Procedure	Note (annotation)
<input checked="" type="checkbox"/> dbo.ufnGetAccountingEndDate	Scalar function used in the uSalesOr
<input checked="" type="checkbox"/> dbo.ufnGetAccountingStartDate	Scalar function used in the uSalesOr
<input checked="" type="checkbox"/> dbo.ufnGetContactInformation	Table value function returning the first
<input checked="" type="checkbox"/> dbo.ufnGetDocumentStatusText	Scalar function returning the text rep
<input checked="" type="checkbox"/> dbo.ufnGetProductDealerPrice	Scalar function returning the dealer p
<input checked="" type="checkbox"/> dbo.ufnGetProductListPrice	Scalar function returning the list price
<input checked="" type="checkbox"/> dbo.ufnGetProductStandardCost	Scalar function returning the standar
<input checked="" type="checkbox"/> dbo.ufnGetPurchaseOrderStatusText	Scalar function returning the text rep
<input checked="" type="checkbox"/> dbo.ufnGetSalesOrderStatusText	Scalar function returning the text rep
<input checked="" type="checkbox"/> dbo.ufnGetStock	Scalar function returning the quantity
<input type="checkbox"/> dbo.ufnLeadingZeros	Scalar function used by the Sales.Cu
<input checked="" type="checkbox"/> dbo.uspGetBillOfMaterials	Stored procedure using a recursive i
<input checked="" type="checkbox"/> dbo.uspGetEmployeeManagers	Stored procedure using a recursive i
<input checked="" type="checkbox"/> dbo.uspGetManagerEmployees	Stored procedure using a recursive i
<input checked="" type="checkbox"/> dbo.uspGetWhereUsedProductID	Stored procedure using a recursive i
<input type="checkbox"/> dbo.uspLogError	Logs error information in the ErrorLo
<input type="checkbox"/> dbo.uspPrintError	Prints error information about the err
<input type="checkbox"/> HumanResources.uspUpdateEmploy...	Updates the Employee table and inse
<input type="checkbox"/> HumanResources.uspUpdateEmploy...	Updates the Employee table with the
<input type="checkbox"/> HumanResources.uspUpdateEmploy...	Updates the Employee table with the

Refresh

Up Down

Sort by Name

Select All

Clear Selection

Reverse Selection

Get

Select by Mask


The dialog saves the sizes and positions of windows either for the current session or between sessions.

See also: [about descriptions](#).

## Extended Properties Manager

This window allows the user to manage a list of extended properties that will be included in the schema report. This feature is applicable to MS SQL Server only.

Enter property name and press "add" to include property to report. Select the property name in the list and press "delete" to remove it. In most cases, the program can extract a list of existing properties from the database. Please use "Load list from database" button to do that. Please keep in mind that the program uses "MS\_Description" property as [description](#) and should be managed at "Schema" page.

 **Extended Properties Reporting Options**

Please provide list of extended properties to be included in the schema report

Property Name	
Author	
Department	
For Office #	

Property :

**Important:** the [program](#) includes all existing properties if you keep this list empty.



## Execution Console

The Execution Console is a window that helps the user to view reporting process status. It shows current report step and information/diagnostics messages.



### Project Execution Console

Time	Messages	
18:08:52	Execution started for security report	
18:08:53	12 logins was reported.	
18:08:54	0 user permissions was reported.	
18:09:40	Done	
18:09:52	Execution started for schema report	
18:10:42	70 tables was reported.	
18:10:43	479 columns was reported.	
18:10:43	0 extended properties was reported.	
18:10:43	159 indexes was reported.	
18:10:43	73 triggers was reported.	
18:10:56	37 views was reported.	
18:13:12	1325 stored procedures was reported.	
18:13:13	0 synonyms was reported.	
18:13:13	39 data types was reported.	
18:13:16	Done	

Execution status: Done

Run



## Report Tuning and Localization

The [program](#) supports localization of the reports. There are two ways. With the first, the user can change an existing configuration file (english.ini). With the second create a new one.

By default, the configuration file is stored in "tmpl" subfolder of the product installation directory (for example, "C:\Program Files\DTM Schema Reporter\tmpl\english.ini"). However, the user can change file name and location at the [settings](#) window of the DTM Schema Reporter.

The configuration file is simple Windows INI file with the easy structure that can be edited by any text editor like Windows Notepad.

This folder also contains header (head.htm) for HTML/CHM reports. The user allowed to change the content of this file as well but can't relocate it.

## Built-in log viewer

This panel shows last rows of the [program](#) log.  
To view complete one please use "Tools->Log" menu item or Ctrl+L [hotkey](#).



**Log File**

```
2011-02-17 18:40:08 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-17 18:41:39 > << DTM Schema Repoter, Professional 1.23.05, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-17 18:41:39 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-17 18:41:40 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-17 18:43:28 > << DTM Schema Repoter, Professional 1.23.05, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-17 18:43:28 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-17 18:43:29 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-17 18:44:01 > << DTM Schema Repoter, Professional 1.23.05, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-17 18:44:01 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-17 18:44:03 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-17 18:44:22 > << DTM Schema Repoter, Professional 1.23.05, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-17 18:44:22 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-17 18:44:23 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-18 11:07:43 > << DTM Schema Repoter, Professional 1.23.06, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-18 11:07:43 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-18 11:07:45 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-18 11:08:53 > << DTM Schema Repoter, Professional 1.23.06, ANSI, x86, 6C3CC05DFFC767A0>>  
2011-02-18 11:08:53 > << build: Feb 12 2011 09:16:41,OS=6.01.7600 [Windows 7] >>  
2011-02-18 11:08:54 > Connected to ODBC-0 Microsoft SQL Server [ 10.00.4000 ],sqlncli10.dll [ 10.00.4000 ] as 'V',  
2011-02-18 11:10:28 > << DTM Schema Repoter, Professional 1.23.06, ANSI, x86, 6C3CC05DFFC767A0>>
```

This window shows the last log rows only. Use menu Tools->Log file->View to view complete one.



## Projects

"Report project" option provides a user with a handy way to save the report settings into an external file. You can use it later for executing or creating a new report, as it becomes necessary.

Also, you can use project name as [command line](#) parameter for the program. The project includes all report setting and options.

Please use "Open Project" and "Save Project" menu items or corresponding toolbar buttons to access these functions.

## Command line options

[DTM Schema Reporter](#) supports following command line switches:

**-r** - if project file was configured, run the report at program startup

**-q** - quit application after project execution

**-c** - console mode.

**-@** - use custom connection profile. Please note that you can use "Export One" button at the [connect window](#) to save connection profile to disk file.

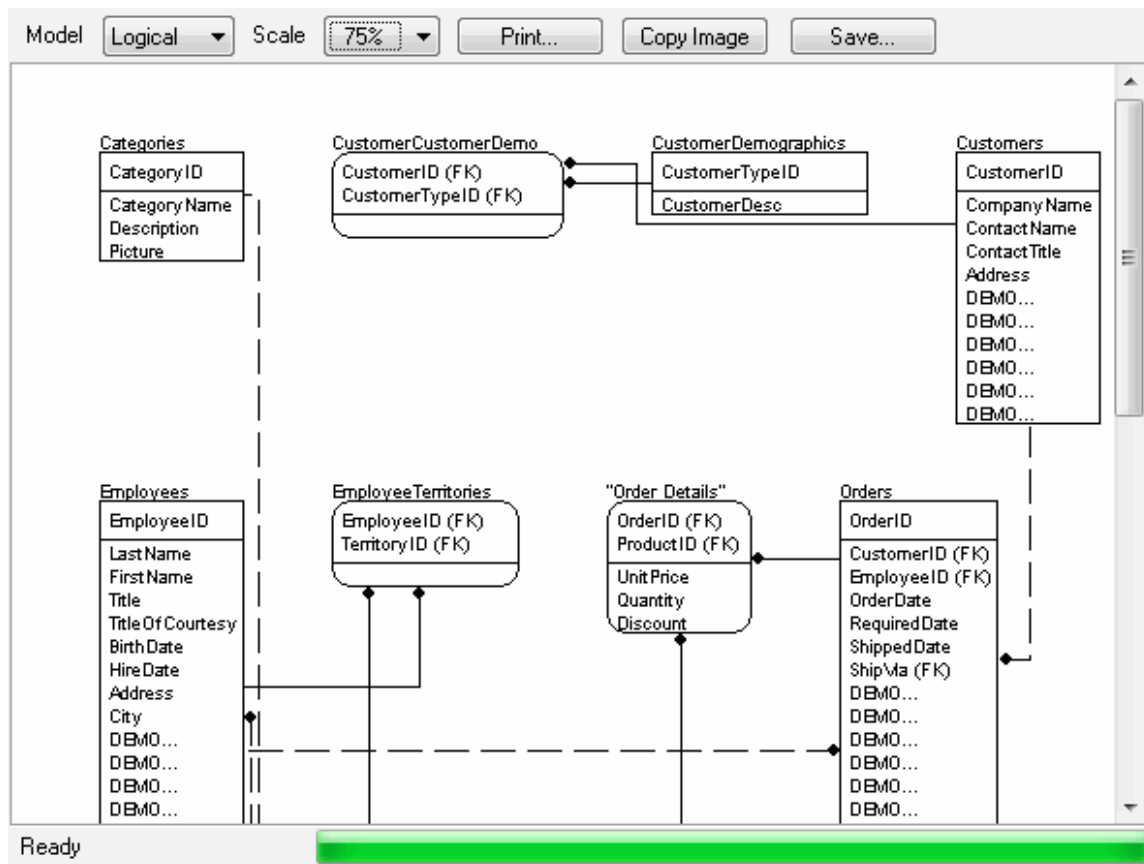
The console mode is a mode when the program doesn't open any dialogs and doesn't need any interference from the user. A project file for the console mode must be prepared and tested beforehand. Also, the program will use the recent database connection in console mode. This mode enables you to integrate the product with the Windows task scheduler as well as to execute projects prepared beforehand according to the schedule.

For example, in order to execute project file 'schema2db.rpr' today at 11.00, use the following command line:

```
at 11:00 "sr.exe -c -@d:\acc.conprof schema2db.rpr"
```

## Entity-Relationship (ER) Model Viewer

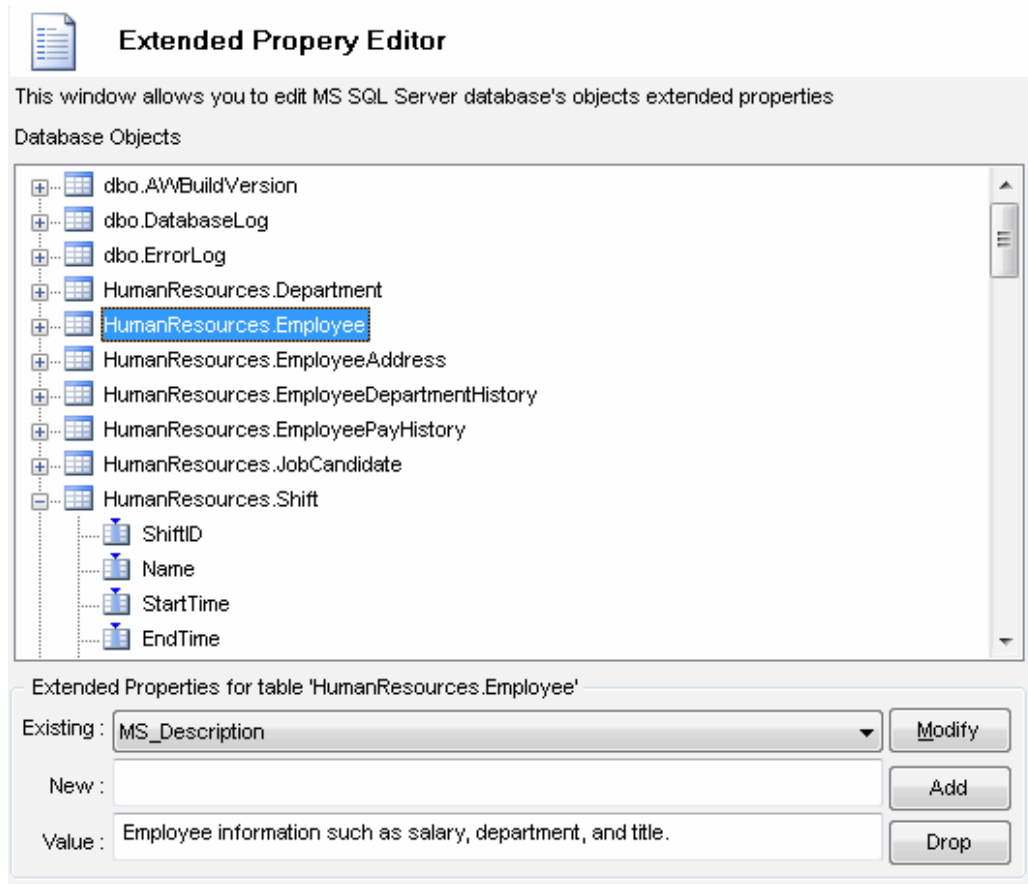
This window allows you to view Entity-Relationship model for current database connection in a read-only manner. Also, you can print it or copy/save as image file.



Please note that this window is for information purposes only. We offer powerful database CASE tool [DTM Data Modeler](http://www.sqledit.com/dm) (www.sqledit.com/dm) to create, edit or manage entity-relationship models.

## Database object extended property editor

This supplemental tool helps the user to add or edit extended properties for views, tables and columns in the currently selected database. The tool works with Microsoft SQL Server starting 2000 (8.x) only and available in the professional [edition](#) of the schema [reporter](#).



To add new extended property:

- Select database object in the tree
- Enter new property name in the "New" edit box
- Enter new property value in the "Value" edit box
- Press "Add" button

To modify existing property value:

- Select database object in the tree
- Select property name from "Existing" drop-down list
- Enter new property value in the "Value" edit box
- Press "Modify" button

To drop existing property value:

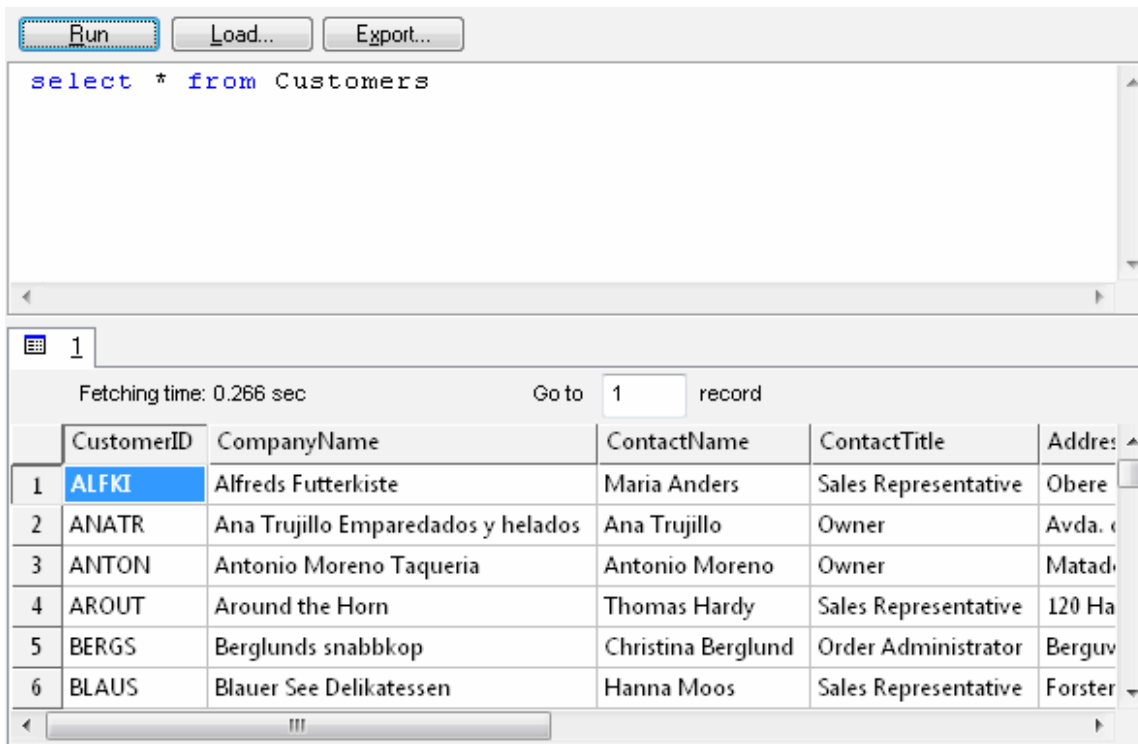
- Select database object in the tree
- Select property name from "Existing" drop-down list
- Press "Drop" button

## SQL Console

The tool has a special window where you can specify and execute any SQL statements. You can copy the results of executing a statement onto the clipboard or export it into various formats like text, SQL, HTML, XML or Microsoft Excel. Placing the mouse cursor over the column header will show the type of data stored in this field.

Important: the SQL console does not show any warning before data deletion or modifying.

Note: SQL console shows only begins of large strings. Typically you can view up to 512 first symbols.

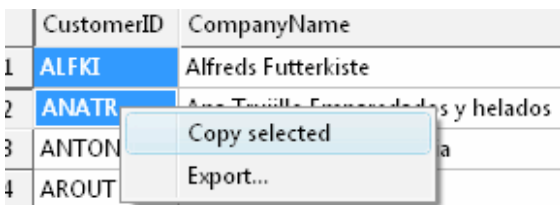


The screenshot shows the SQL Console interface. At the top, there are three buttons: "Run", "Load...", and "Export...". Below the buttons is a text area containing the SQL query: `select * from Customers`. Below the text area is a table with the following data:

	CustomerID	CompanyName	ContactName	ContactTitle	Address
1	ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere...
2	ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Avda. c...
3	ANTON	Antonio Moreno Taqueria	Antonio Moreno	Owner	Matad...
4	AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Ha...
5	BERGS	Berglunds snabbkop	Christina Berglund	Order Administrator	Berguv...
6	BLAUS	Blauer See Delikatessen	Hanna Moos	Sales Representative	Forster...

Menu item "Load" allows you to read SQL script from the external file.

There is a picture of local menu accessed by the right click inside the results window.



The screenshot shows a close-up of the results window. A context menu is open over the table, showing the following options:

- Copy selected
- Export...

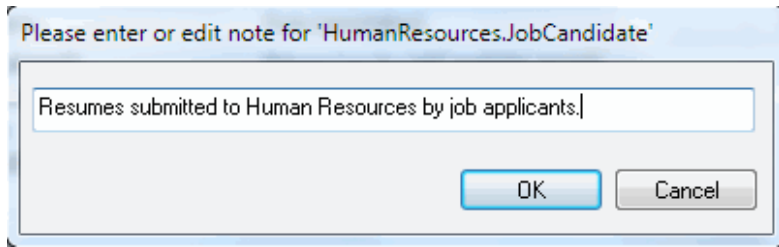


## Hot Keys

Hotkey	Function or Option
Ctrl+A	Open "About the program" window
Ctrl+L	View log file
Ctrl+N	Create new empty project file
Ctrl+O	Load Project file from the disk
Ctrl+R	Run the <a href="#">schema report</a>
Ctrl+S	Save Project file to the disk
Ctrl+T	Run the <a href="#">security report</a>
F1	Open help
F2	Open the <a href="#">connect</a> window
F3	Close the database connection (disconnect)

## Description Editor

This text box allows the user to enter or modify object's [description](#). To clear description just enter an empty string and click "Ok".



See also: [about descriptions](#).

[DTM SQL Editor](http://www.sqledit.com/editor) ([www.sqledit.com/editor](http://www.sqledit.com/editor)) is a set of powerful database management tools that allow you to achieve two goals - to have unified access to different types of databases and to have a set of solutions that makes processing your data easy. DTM SQL Editor gives database users, developers and administrators an ability to access different databases, whether desktop or client-server ones (provided you have ODBC driver installed). This is very convenient, since most organizations use several different types of databases installed and each stores data in different formats and with varying parameters. Having a program that can get data from various sources is often essential. Furthermore, in addition to letting you quickly switch between different data sources, DTM SQL Editor lets you see database schema and results of the query execution.

[DTM Migration Kit](http://www.sqledit.com/mk) ([www.sqledit.com/mk](http://www.sqledit.com/mk)) is a powerful yet simple data migration tool that comes in handy if you run multiple databases. Use it to import, export or migrate data between different data sources (ODBC, OLE DB, or Oracle Call Interface supported). The program is fully automatic and supports all popular database formats. Simple visual interface lets you set own transformation and flow control rules to give you added flexibility.

[DTM Schema Reporter](http://www.sqledit.com/sr) ([www.sqledit.com/sr](http://www.sqledit.com/sr)) is a reporting tool for database schema. The program creates reports in RTF, HTML, XML or plain text formats and supports all common database interfaces - ODBC, OLE DB, or even Oracle Call Interface. This utility helps technical writers and database administrators create a report of any complexity level within seconds. Also, you can alter table order in the report and manually add annotations to the individual tables.

[DTM Data Generator](http://www.sqledit.com/dg) ([www.sqledit.com/dg](http://www.sqledit.com/dg)) is a simple, powerful and fully customizable utility that generates data for database testing purposes. Currently, database developers and administrators often have to spend hours of dull work to create test data sets before examining database performance. This tool makes all this unnecessary by automatically creating database objects AND sets of SQL statements, if necessary.

[DTM Data Editor](http://www.sqledit.com/de) ([www.sqledit.com/de](http://www.sqledit.com/de)) is a data viewer and editor for database professionals who are tired of wasting their time on mundane tasks. The program uses form-based interface and works with any ODBC data source. SQL statements are generated automatically and can be modified later. For data that has foreign key - primary key relation, there are options to enter values manually or select them from a list, which is much faster.

[DTM DB Stress](http://www.sqledit.com/stress) ([www.sqledit.com/stress](http://www.sqledit.com/stress)) is a utility for stress testing the server parts of information systems and applications, as well as DBMSs and servers themselves. This tool allows you to create and configure a continuous set of requests to the server of the OLAP (query execution) and OLTP (adding, modifying and deleting data in the database) types. At the same time, the user can flexibly change both the number and the priority of this or that type of requests to a database or an application.

[DTM Data Modeler](http://www.sqledit.com/dm) ([www.sqledit.com/dm](http://www.sqledit.com/dm)) is a CASE tool for database developers that supports both forward and reverse engineering. It is an easy-to-use tool allowing you to work both with logical and physical data models in the form of an entity-relationship diagram. The product is intended for database architects and developers and works with data sources via the ODBC interface, which means compatibility with all modern DBMS. Along with basic model properties (sets of entities and relationships between them), the program allows you to create indexes and triggers on the physical level corresponding to the tables of the database that is modeled.

[DTM Data Scrubber](http://www.sqledit.com/scr) ([www.sqledit.com/scr](http://www.sqledit.com/scr)) is a set of intelligent tools for data verification (audit) and scrubbing (cleaning). Depending on user-defined rules and data properties, the program either creates a report about the actual state of affairs or performs database data correction.

[DTM Data Comparer](http://www.sqledit.com/dcmp) (www.sqledit.com/dcmp) is a visual tool for data compare and synchronization. The program successively views the contents of both tables basing on the order of ascending of unique key values and shows differences or creates synchronization script.

[DTM Schema Comparer](http://www.sqledit.com/scmp) (www.sqledit.com/scmp) is a tool for database schemas comparison and synchronization. The comparison process supports tables, views, indexes, triggers and stored procedures. The visual representation of database schemas as a tree makes the comparison process more comfortable.

[DTM Query Reporter](http://www.sqledit.com/qr) (www.sqledit.com/qr) is a reporting tool for database query. This utility helps technical writers, developers and database administrators create a report based on database query within seconds.

[DTM Schema Inspector](http://www.sqledit.com/si) (www.sqledit.com/si) is a database schema browsing and management tool that let you work with database schemas more effectively.

[DTM DB Event](http://www.sqledit.com/event) (www.sqledit.com/event) is a database monitoring and management tool. This utility allows the user to define a few situations (events). For each event the user can define what the program should do if the event is occur.

[DTM Flat File Generator](#). Easy to use tool that helps any developer or QA engineer to create test data file. It supports tab-delimited, CSV, fixed width and custom separated output files. The generator has powerful import and export file structure features.

[DTM Test XML Generator](#). The tool is powerful generator for XML documents with structure defined by user and random but realistic data. More than 30 predefined generators with powerful pattern engine. The rich import XML structure options are available.

[DTM Data Generator for Excel](#) is a tool for text Excel spreadsheet population. Easy to use interface based on predefined generators, rich value library and high performance.

[DTM Data Generator for JSON](#) produces JSON files with defined structure in a bulk manner. Fast and easy structure editor and smart import options helps the user to generate test set in a few clicks only.

[DTM Database Content Analyzer](#) is a statistical tool for database content. It collects a few dozens of most interesting data: database objects size, value frequency, clusters, etc. This tool replaces and extends "Statistics" report of obsolete versions DTM Schema Reporter.





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Licensee who purchases volume license of the Software allowed to order additional copies with the same price during following period after initial deal: 3 months for 3 to 5 copies, 6 months for 6 to 10 copies and 9 months for 11 or more copies.

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## **What differences between the demo and full versions of DTM Schema Reporter?**

### **General functions**

- Demo version replaces some report attributes to DEMO string.

### **Supplemental functions**

- Data Model (ER) viewer partially replaces column names to DEMO string.
- SQL console partially replaces result values to DEMO string.

No other demo limitations are present except nag-screen at program shutdown.



## How can I order DTM Schema Reporter software?

The software is available worldwide via the Internet. Secure online, mail/check and corporate purchase order options are available. For detailed information please click following link to open [order page](#) or copy <http://www.sqledit.com/sr/order.html> to your web browser.

If you have any payment questions feel free to contact the DTM Schema Reporter technical support at [support@sqledit.com](mailto:support@sqledit.com)

### Log file

When running the program, you have to select one of menu items from "**Tools->Log file**" in order to view or truncate your Log file. The log file contains the detailed description of any errors and other events that occurred while processing script.

Default log file location is product's directory and the name is ERROR.LOG. When the user has no enough permissions DTM Schema Reporter saves log to typical path like  
C:\Documents and Settings\\Application Data\sr.log or  
C:\Users\\AppData\Roaming\sr.log

The log file is a text file that contains three type of records:

1. The software product identification block: product name version and operating system information.
2. Error records: wrong SQL statements, exceptions, etc.
3. Notification and statistics.

To run installation program:

- Open the windows Start menu and select "Run" item
- Select or enter installation file name and path (sr.exe or sr\_d.exe)\* and click OK

\* - professional and enterprise editions of the tool may have another suffix.

Notes:

- Please be sure that existing version of the tool is not running when you install a new version.
- We recommend to [uninstalling](#) old version of the DTM Schema Reporter before new version installation.
- Installation by administrator for another user is supported for most environments.



## Uninstall the Software

The Uninstall feature removes all installed DTM Schema Reporter components and all records in the Windows registry made by the installation script. You can uninstall this program by selecting the "**DTM Schema Reporter**" item in "**Add/Remove Programs Dialog**" in "**Control Panel**".

Another uninstallation way is to run "unins000.exe" from the product's folder directly.

**Important!** Uninstall feature of the program does not remove files and objects created by users such as configuration files, registry records etc.



## How to upgrade your copy of DTM Schema Reporter?

The user can refer to "Check for Update" features to get information about available updates.

Please contact our support staff at [support@sqledit.com](mailto:support@sqledit.com) to upgrade commercial version of the tool.

Demo version is available for [download](#) free of charge.

When you upgrade your copy of DTM Schema Reporter please send us the following information:

- You name, company name and how to contact you
- Payment information (at least "ORDER No" and "Date")

If you have some question or unusual problem feel free to contact the DTM Schema Reporter technical support at [support@sqledit.com](mailto:support@sqledit.com)

When you contact technical support, you should be prepared to provide the following information:

- DTM Schema Reporter version (you can find this information from About menu item of Help menu).
- Type and version of the ODBC or IDAPI driver or OLE DB provider.
- DBMS version and operating system version (including service pack version, if applicable).
- DTM Schema Reporter Log file.
- A description of what you do before the problem occurs.
- Error messages you see when the problem occurs.
- Your name, company name and how to contact you.

See Also: [log\\_file](#)



## Trademark Information

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**Database catalog** - The collection of system tables, tables that store metadata about that specific database.

**Database record** - one row in a table (table can be a result of SQL-query).

**Database schema** - logically connected, usually owner-based, set of DBMS objects (tables, views, procedures etc).

**DBMS** - database management system.

**DBMS connection** - the fact that both client and DBMS server have signed a contract and ready to query and data communications.

**Drag-n-drop** - the file manipulation technique when the mouse is used to move the file from the place of storage to the program, which performs processing.

**SQL language** - the declarative language used to manipulate the data and its' structure in the modern DBMS and their client applications.

**IDAPI** - Integrated Database Application Program Interface, unified DBMS access interface.

**OCI** - Oracle Call Interface, access interface for Oracle Server.

**ODBC** - Open Database Connectivity, unified DBMS access interface.

**Metadata** - information about data. See also: database schema

**SQL statement** - single SQL operator having the complete role in a data manipulation script.

**SQL-server** - program or program complex, which is able to execute the SQL-queries.

