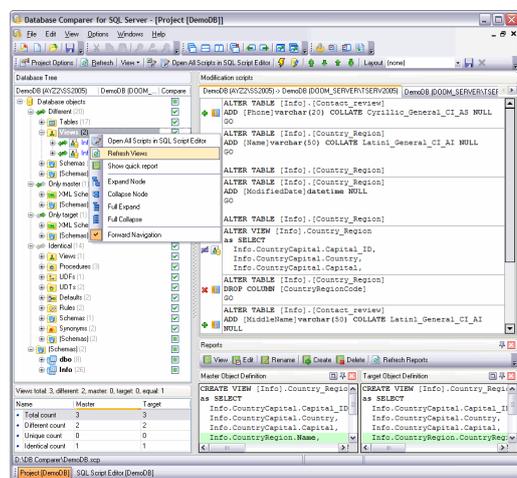# EMS DB Comparer

An excellent tool for database structure comparison and synchronization

Description

Modern database-aware applications are usually quite composite and often involve a great number of different database objects. These objects are not static and will continually change to meet the requirements of the organization's advance. As a result, this evolutionary process puts an extra load on database administrators and developers who have to analyze the impact of the changes, as well as support the application improvement and database upgrade. It is clear that synchronization of database schemas often affects dependent structural objects and data, and so detecting and analyzing these impacts manually is a very complex and prone to error process. Therefore special synchronization software can significantly facilitate the database comparison and cloning tasks by generating and executing SQL scripts necessary to bring a database to the up-to-date state.

EMS DB Comparer is an excellent tool for comparing databases and discovering differences in their structures. The program comes in separate editions for each of the most widely used DBMS servers (SQL Server, ORACLE, MySQL, PostgreSQL, InterBase/Firebird) and completely automates the process of database schema comparison and synchronization. When using this utility, database cloning procedure becomes simple and intuitive and manual creation of complex SQL scripts becomes unnecessary.

EMS DB Comparer visually displays the inconsistencies between source and target database schemas and provides the possibility to synchronize databases manually step by step or automatically, generate reports with database differences, compare and synchronize databases or schemas on different servers as well as on a single server and much more. You can control any stage of the database synchronization process by defining the necessary options and selecting database objects that should be cloned.

The program visually represents the differences between databases with details

Key Advantages

Visual detailed representation of differences between databases

The program visually represents the detailed list of differences between databases. You can control any stage of the database synchronization process by defining the necessary options and selecting database objects that should be cloned.

Automation of database propagation and deployment

EMS DB Comparer allows you to streamline the database comparing process and organize the comparison procedure in the form of individual projects. You can work with several synchronization projects at once, clone databases on different database servers as well as on a single server, compare all database objects and their properties or only the selected ones, define various database comparison parameters and more.

Comparing all database objects or selected ones only. Comparing by all or by selected properties of objects only

EMS DB Comparer provides you with the possibility to define specific parameters of comparison for each type of database objects. Additionally you can set filtering criteria for objects to be compared.

Possibility to synchronize databases manually step by step or automatically

EMS DB Comparer allows you to generate, save and print database comparison reports quickly and efficiently. The program includes the fully-functional Report Designer and a number of report samples.

A wide variety of options for comparison and synchronization

EMS DB Comparer supports a wide set of comparison options for objects of the databases being compared. The program provides the detailed settings and configurations covering all major aspects of database synchronization.

Unattended metadata comparison/synchronization of databases

For your convenience the console version of EMS DB Comparer is included in the distribution package of the utility. This command line tool is intended for scheduled database structure comparison and synchronization process.

Flexible graphical user interface

DB Comparer provides full customization of the program interface, windows behavior, various options of all operations and more.
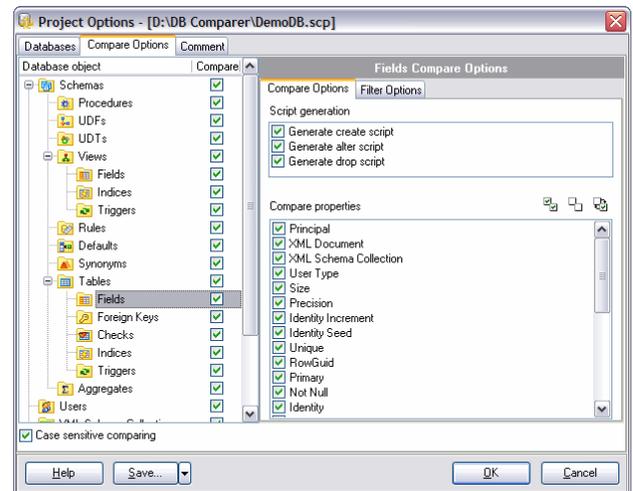
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EMS® Database Management Solutions

An excellent tool for database structure comparison and synchronization

Program features

- Program editions for the following DBMS: Oracle, Microsoft SQL Server, MySQL, PostgreSQL and InterBase/Firebird

- Comparison and synchronization of databases or schemas on different servers as well as on a single server

- Comparing all database objects or selected ones only. Comparing by all or by selected properties of objects only

- Visual detailed representation of differences between databases and modification scripts for the different objects

- Possibility to synchronize databases manually step by step or automatically

- Generating reports with database differences. Possibility to add custom reports

- Automaton of database comparison and synchronization using the Console Application

- Working with several comparison projects at once

- Saving and loading projects with all their parameters

- A wide variety of options for comparison and synchronization

- Built-in SQL Script Editor with syntax highlight

- Unicode data support

Variety of options for database schema comparison and synchronization

System Requirements

- Microsoft® Windows XP, Microsoft® Windows 2003 Server, Microsoft® Windows Vista, Microsoft® Windows 2008 Server, Microsoft® Windows 7, Microsoft® Windows Server 2012, Microsoft® Windows Server 2012 R2, Microsoft® Windows 8/8.1, Microsoft® Windows 10

- 512 MB RAM or more; 1024 MB or more recommended

- 50MB of available HD space for program installation

- Corresponding system libraries or a native client to connect to the specific DBMS server

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