DATASHEET

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Embarcadero® Change Manager™
Database Change Management

EMBARCADERO TECHNOLOGIES®

Embarcadero® Change Manager™ helps database administrators and developers simplify and automate database change management to streamline development and ensure availability, performance and compliance. Change Manager's compare, synchronization, data masking, and auditing capabilities let you track and report on changes, roll out new releases, and pinpoint performance problems resulting from both planned and unplanned changes. Change Manager supports IBM® DB2® for LUW, Microsoft® SQL Server, Oracle®, and Sybase® from a single, easy to use interface.

- Simplify and automate database change management
- Streamline development cycles
- Ensure database availability, performance, and compliance

SIMPLIFY AND AUTOMATE DATABASE CHANGE MANAGEMENT

Organizations struggle to adopt reliable, repeatable, and efficient processes to manage database changes: you want to ensure that changes applied to production make it back into the database design, development, and test environments; you want to easily bundle changes together for migration between environments; and you want to keep track of tables, procedures, settings, and privileges. A tool designed to handle database change management tasks can simplify processes, streamline complex tasks, reduce the chance for errors, and minimize downtime.

Change Manager is a database comparison, alter, and synchronization tool that generates reports and reconciles differences between databases, tables, schemas, and other database objects. With Change Manager you can easily compare any two databases and create schema and configuration baselines. Sophisticated object mapping features let you select only what you need and accelerate your comparison jobs.

Select schema objects and types for comparison or archive jobs.

STREAMLINE DEVELOPMENT CYCLES

Each day development teams create new applications, modify existing ones, and roll out customizations or updates to packaged applications that involve changes to the underlying database. Developers need to collaborate with each other, DBAs, and data modelers to successfully coordinate change across the development lifecycle.
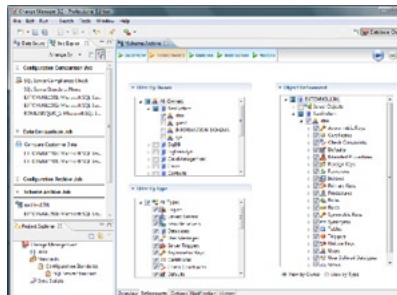
Change Manager offers developers visibility into what is happening within the development, test, and production environments. They can capture a snapshot of changed objects and automatically generate a change script, eliminating the need to determine the correct syntax for dependant objects and ensuring that data is preserved. Change Manager integrates with source code control (SCC) software so developers can easily correlate SQL, schema or reference data changes with application code changes by linking an archive with the corresponding version of the application code within the SCC repository.

Realistic test data is critical to producing the best application code. Change Manager's data masking features helps protect data privacy in the development lifecycle by creating accurate test data and then quickly moving the masked, yet realistic and fully functional data from Production into Development or Test environments. This ensures accurate testing while protecting personally identifiable information (PII.)

Compare and synchronize schema and data between heterogeneous databases.
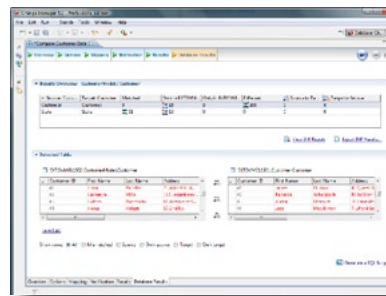
ENSURE DATABASE AVAILABILITY, PERFORMANCE, AND COMPLIANCE

DBAs are responsible for safeguarding database performance and availability while ensuring that database configurations adhere to regulations. Change Manager helps DBAs track changes to structures, users, permissions, and database settings.
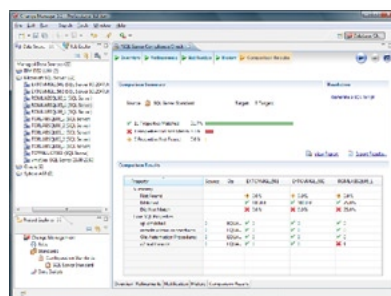
Change Manager also allows DBAs to specify configuration standards, which can be used to check hundreds of databases and quickly identify security risks. It reports on points in time – or differences between points in time-saving DBAs hours of troubleshooting while ensuring compliance with policies and performance standards.

Define expected database configuration values and ranges, and then run a comparison job to check for compliance.

Key Features

- Schema "archive" capture, compare and synchronization
- Data compare and synchronization with custom mapping features
- Configuration settings archive and compare
- One-to-many comparison jobs
- Advanced alter script generation; handles object dependencies and preserves data
- Integrate with Source Code Control (SCC)
- Command line API
- Flexible reporting formats, including HTML, PDF, XML, CSV, RTF

New! in Change Manager 5.1

- Data Masking – shuffle or randomize tables and columns in a data compare job
- Cross-DBMS schema compare between Oracle<>SQL Server and Sybase ASE<>SQL Server
- Support for InterBase 2007, 2009 and Firebird 1.5, 2.0
- Auto-synch for schema and data compare jobs
- Full Unicode support
- And much more!

General Features	Description	Personal	Standard	Professional	Ultimate
Support DBMS Specific Features	Deep functional support for DB2 for LUW, Oracle, SQL Server and Sybase. Change scripts leverage DBMS-specific features including objects, options and syntax	x	x	x	x
Source Code Control Integration	Integration with third-party source code control products supported via Eclipse Team API for sharing archives, sync scripts, jobs, datasources, and job results	x	x	x	x
Job History	Track previous comparison runs and reload results to generate synchronization scripts and results	x	x	x	x
SQL Editor	Code folding, syntax highlighting, error identification, outline view	x	x	x	x
Unicode Support	Full support of Unicode characters	x	x	x	x
Flexible Reporting	Supports HTML, PDF, XML, CSV, and RTF reports for all job types		x	x	x
Command Line API	Command-line generation wizard generates batch or ANT scripts with multi-job execution			x	x
Email Notification with Open and Extensible API	Configurable email notification via JavaMail. Open API allows users to create their own customized notification extensions via Java/Eclipse			x	x
Data Source Connections	Supports a specified number of databases under management, for each licensed DBMS platform	5	10	25	unlimited

Schema & Configuration Management	Description	Personal	Standard	Professional	Ultimate
Schema Archive and Compare	Capture an archive of a schema and then compare and view differences between the archive and live database, archive, to archive or compare live databases. View results of prior schema comparison executions at any time.	x	x	x	x
Advanced Alter Generation	Generate alter scripts to synchronize selected objects or restore to a prior state. Handles object dependencies, and preserves data	x	x	x	x
Flexible Object Reporting	Capture an entire database or narrow selection by object type, owner, a specific set of named objects, or wildcard filtering	x	x	x	x
Manage Server Objects	Support for server objects within archive and compare jobs, e.g., rollback segments, server triggers, and database devices		x	x	x
Manage Database Configurations	Archive and compare database configuration settings			x	x
Manage System Objects	Support for system objects within archive and compare			x	x
Cross-DBMS Schema Compare	Schema comparison and synchronization between Oracle <> SQL Server and Sybase ASE <> SQL Server			x	x
Schema Auto-synchronization	Automatically synchronize the target to match the source once there is a successful comparison.			x	x
One-to-Many Compare	Compare one source against multiple targets, inside of one job			x	x

Data Compare and Synchronization	Description	Personal	Standard	Professional	Ultimate
Cross-DBMS Data Compare	Compare and synchronize data either inside of one database, or between two different databases	x	x	x	x
Automated Object Mapping	Automatic mapping of tables by primary key or unique index. Manually override table mapping or match keys	x	x	x	x
Configurable Comparison Options	Control comparison jobs with options such as ignoring training spaces and mixed case; match empty strings with nulls	x	x	x	x
Data Auto-synchronization	Automatically truncate the target data as data from the source is streamed to the target.			x	x
Compression Comparison	Quickly compare large volumes of data, particularly effective with wide rows and over slower networks			x	x
Data Masking	Shuffle or randomize columns in a data compare job with auto-synchronization				x

Audit & Compliance Reporting	Description	Personal	Standard	Professional	Ultimate
Configuration Standards	Use custom or live configurations parameter values to create standards. Audit database configurations to check for security liabilities and performance standards conformance with other types of standard settings			x	x
Archive Configuration and Schema Settings	Schema and configuration archives provide historical record for compliance auditing and reporting			x	x
Change Monitoring & Notification	Define and schedule live database to archive comparison jobs, set email notifications to notify when change occurs to a schema or setting			x	x
Schema Comparison Detail Report	Outlines what objects have actually changed either between points in time, or between two live environments, including color-coded DDL differences			x	x

DBMS Support

- DB2 for LUW v8, v9 and v9.5
- Firebird 1.5, 2.0
- InterBase 2007, 2009
- Oracle 8i, 9i, 10g and 11g
- SQL Server 2000, 2005, and 2008
- Sybase ASE 12.5, 15, 15.0.1 and 15.0.2

System Requirements

- 1.2 Ghz processor with 1 GB of RAM
- 1 GB disk space
- 1024x768 16-bit display

- Windows® XP Professional, Windows Server 2003, Windows Vista (Ultimate and Business) – 32-bit architecture only

- Red Hat Enterprise Linux 5.0, x86-32, GTK 2 or SUSE Linux Enterprise Server (x86) GTK+ 2.x

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