

IB LogManager™

A full-featured logging/auditing solution for InterBase/Firebird

Protect crucial business data

Care about crucial business data?

Your salary has dropped by 15 percent? A sales-staff member has decreased the price of an article by 20 percent? Someone deleted a particular record your are interested in? Get ready to answer such questions in a timely manner.

Application areas

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- When, and by whom, were certain records modified, deleted or inserted?
- Change logs for statistical purposes (e.g. price fluctuations, ...)
- Tweak your client application regarding DML operations
- "Black Box Debugging" to see what DML operations are involved, when someone clicks on a button in a foreign application
- Audit trails as a necessity to conform to different application domain quality standards (e.g. US Food & Drug Administration, ...)
- Data logs to recover a database to a specific point in time or to undo data changes or to keep several slave databases with one master database in-sync
- Setup and maintain the necessary database metadata, when integrating the IBO Global DML Caching mechanism in your IBO application

Product family

The IB LogManager product family

The IB LogManager™ product family is a suite of tools to keep track of data changes in your InterBase and Firebird database. It currently consists of the following products:

- IB LogManager: The core product to integrate a server-side auditing mechanism in your InterBase/Firebird database
- IBLMViewer: Ideal for browsing, printing and exporting log data, but without the capability to change the logging definition
- IBLMExport: A command-line utility to export logged data into different formats
- IBLMPump: A command-line utility to transfer logged data from the production database into an external "transaction log" or "audit trail" database using the two phase commit (2PC) protocol
- IBLMRedo: A utility with a wizard driven graphical user interface to reapply logged operations on a database
- IBLMUndo: A utility with a wizard driven graphical user interface to undo committed changes



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Prepare/Unprepare wizard

A database needs to be prepared. Hereby, logging metadata will be created to enable a database to store log data. A powerful prepare wizard guides you through the necessary steps. If you want to get rid of any IB LogManager related stuff, simply run the unprepare wizard to cleanup your database. Simple and painless.

Prepare/Unprepare wizard

GUI driven audit trail definition

Defining which database objects (tables and fields) should be logged can be done by using the easy to use graphical user interface. Registering a particular table field, a table operation (delete/insert/update) with all fields involved, an entire table for all data manipulation operations or even a full logging schema with all tables and fields is a snap. Exporting and importing a logging schema makes it easy to reapply a logging definition on a similar database. You want to temporarily disable the auditing mechanism? This is a one-mouse-click operation.

Audit trail definition

Browsing, printing and exporting log data

There is everything you need for browsing, printing and exporting log data built in. Log data browsing can happen on user-definable search criteria including date/time, user, table and operation information. Exporting log data can happen into several formats including Excel, Winword, PDF and many more.

Browsing, printing and exporting log data

Scripting engine

The scripting facility is a powerful feature to automate repetitive tasks in a script based way. A set of language elements enables one to write script files, which are processed and executed by IB LogManager properly, without user interaction. An extensive language reference and accompanying examples get you started pretty fast.

Scripting engine



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IBObjects DML caching integrator

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IBObjects (www.ibobjects.com), a well-known third-party package for Borland Delphi and C++ Builder for writing InterBase/Firebird based applications, offers a mechanism called "Global DML Caching" to synchronize data changes immediately in a multi-user/client environment. IB LogManager can act as integrator helping to set up and manage mandatory objects at database level.

Key features

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- Supports InterBase 5 or higher and Firebird 1 or higher
- Server-side logging mechanism
- Table operation logging
- Table column logging (including BLOBs)
- User-definable conditional logging
- Scripting engine to automate repetitive tasks
- Browse, print and export log data
- Multilingual graphical user interface
- Global IBO DML Caching integrator support
- Several addons: IBLMExport, IBLMPump, IBLMRedo and IBLMPump

Requirements

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- Pentium PC or similar
- Windows 98, 2000, XP, 2003
- 10 MB disk space
- 32 – 64 MB or RAM free
- 1024x768 SVGA or higher
- Connectivity for databases engines used



For more information about IB LogManager or other Upscene Productions products, see www.upscene.com

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