



IMS/DB Migration Solution

Integrated With
Oracle Tuxedo Application Runtime for IMS

You are moving your mainframe IMS application using Oracle Tuxedo Application Runtime (ART) for IMS. ***Move your IMS/DB to Oracle as well!***

The most comprehensive automated migration of IMS/DB schema and data to Oracle database.

Oracle Tuxedo Application Runtime for IMS (ARTIMS) provides for a mechanism to plug-in different implementations of IMS/DB.

Metalogic Systems has integrated their solution for converting IMS/DB to Oracle with ARTIMS.

- ✓ Proven IMS/DB migration process
- ✓ Customized generation process to address project requirements and customer preferences
- ✓ High level of automation during migration
- ✓ Uniform and consistent migration
- ✓ Minimum or no changes to application code, no changes in business logic
- ✓ Current COBOL programs continue to use the IMS Database calls
- ✓ ARTIMS interprets IMS/DB calls and passes on to Metalogic's DBDLI interface for SQL processing
- ✓ Complete and accurate data migration from IMS/DB to Oracle database
- ✓ Automation ensures quicker turn-around to implement changes that always come during execution of any migration project
- ✓ Reduced migration time and cost
- ✓ Your data brought to Oracle RDBMS platform – your options are now endless!



IMS/DB Solution

With the provision of the plug-in for separate database service in ARTIMS, Metalogic's solution for converting IMS/DB to Oracle is now integrated with Oracle Tuxedo ART for IMS.

Metalogic's proven IMS/DB automated migration process takes existing application assets as input and generates transformed or new application components.

The conversion of the source assets are done by Metalogic's IMS/DB conversion tool. Inputs to the tool are –

- Source database definition files (DBD)
- Source COBOL programs that access the IMS/DB database
- Copybooks from source application that describe the database structure in details

Automated and proven solution to work for your IMS/DB conversion needs

The tool creates a default mapping of the IMS/DB database components (e.g. Segments, fields, indexes, etc.) to the target Oracle database schema (e.g. Tables, Columns, Foreign Keys, etc.).

The default mapping can be further customized through mapping rules supplied externally. Finally, the following components are generated –

- Target database schema (DDL Scripts)
- A set of programs to access each table (DML Subroutines)
- A set of programs to imitate IMS/DB data exchange in migrated environment (DXL Subroutines)
- A set of programs to unload data from source IMS/DB database for data migration
- A set of programs or scripts to reload data into target Oracle database to complete data migration

Comprehensive methodology taking care of schema as well as data migration

Implementation of the IMS/DB Interface

The solution implements IMS/DB interface for the migrated database through a DLI interface specifically designed for the purpose. Metalogic's DLI interface is DBDLI.

Your code runs unchanged

The COBOL applications continue to use the IMS Database calls and IMS TM functions using CALL CBLTDLI interface provided by ARTIMS.

Within CBLTDLI services, the IMS/DB calls are passed on to DBDLI interface, which uses the generated DXL and DML Subroutines to map IMS/DB calls to Oracle SQL access.

Oracle Tuxedo and Oracle Tuxedo Application Runtime for IMS are products from Oracle. Details about these products can be found at their website <http://www.oracle.com>.

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