

# ORACLE SQL DEVELOPER MIGRATION WORKBENCH

## OVERVIEW

### TAKE ADVANTAGE OF THE REDEVELOPED INTEGRATED MIGRATION ENVIRONMENT

- Enhanced Graphical user interface via a migration IDE
- Translation scratch editor
- Translation difference viewer
- Least privilege migration
- Online or script-based migrations
- Increased Productivity

### SUPPORTED DATABASES

- Microsoft SQL Server
- Microsoft Access
- MySQL
- Sybase Adaptive Server

*Migrating from one database to another is often a high-risk, expensive, and time-consuming process. The Oracle SQL Developer Migration Workbench reduces the time, risks, and financial barriers involved in migrating third-party databases to the Oracle platform.*

## Introduction

The Oracle SQL Developer Migration Workbench (Migration Workbench) is a redeveloped tool that greatly extends the functionality and usability offered by the original Oracle Migration Workbench. Its tight integration with Oracle SQL Developer provides an enhanced user interface.

The Migration Workbench is an intuitive tool that enables you to migrate a third-party database, including the schema objects, triggers, and stored procedures, to an Oracle9i Database, Oracle10g Database or Oracle 11g Database using a simple point-and-click process.

The current Oracle Migration Workbench (10.1.0.4.0) will remain supported until all current third-party database support has been integrated into the new tool.

This data sheet illustrates the features of the Migration Workbench.

## Supported Databases

The Migration Workbench currently supports migrations from the following third-party databases to Oracle:

Third-Party Database	Version
Microsoft SQL Server	7.0, 2000 and 2005
Microsoft Access	97, 2000, 2002 and 2003
MySQL	3, 4 and 5.0
Sybase Adaptive Server	12 and 15

**Table 1: Supported third-party databases**

The main features of the Migration Workbench are:

- *Enhanced User Interface:* The Migration Workbench is now integrated into Oracle SQL Developer, benefiting from the enhanced GUI environment that this IDE provides.
- *Least Privilege Migration:* Users can migrate objects from the source database to the target database without the need for DBA privilege. This least privilege migration feature enables users to migrate objects only they have

access to and does not require any special privileges to run.

- *Quick Migrate* A wizard driven approach for the migration of schemas and data to Oracle. It supports least privilege migration.
- *Configurable DDL Script Generation*: The generation of DDL for the creation of the Oracle schema(s), give the user full control over the DDL output.
- *Online Data Mode*: The configurable, high speed, parallel data move means data can be migrated as quickly as possible.
- *Offline Data Move*: Users can generate platform specific scripts to offload data from third party databases, along with corresponding SQL\*Loader import files to allow running of data whenever required.
- *Migration Navigators*: Visual representations of the source database and the Oracle equivalent are available in an intuitive user interface, providing simple commands that guide the migration process.
- *Repository Based*: A repository that stores information about the structure of the production databases, allows users to make modifications to the database structure independently of the production databases.
- *Advanced Parsing and Translation Technology*: The tool can parse and recognize T/SQL and translate this to the PL/SQL equivalent. It handles interdependencies between schema objects, intra-schema dependencies and is used to transform stored procedures, triggers, views, rules and constraints.
- *Translation Scratch Editor*: An interactive editing facility for Transact SQL and Microsoft Access SQL allows instant translation to PL/SQL or SQL. The editor supports both single-statement and translation of complex SQL scripts.
- *Translation Difference Viewer*: An in-line graphical viewer is available for examining translated SQL. This viewer provides color-coded side-by-side comparison of translated SQL to display semantic similarities between the source and translated code.
- *Full User Control*: Customization capabilities, including the ability to choose all data type mappings, selective object migration and the ability to drop or rename objects during the migration process, give the user full control.
- *Interactive Migration Log*: An enhanced migration log provides at-a-glance information on the migration process. Items in the log are clickable to provide instant access to problematic objects.
- *Reserved Name Resolver*: This automatically resolves conflicts with Oracle reserved words.

### Resources

The Oracle Technology Network (OTN) is the definitive source for Oracle technical information about developing on the Oracle11g platform. Members of OTN are part

of an online community with access to free software, OTN-sponsored Internet developer conferences, and discussion groups on up-to-date Oracle technology.

### **Support**

SQL Developer is a supported product, for all customers with Oracle Database Support. This exclude support for Oracle Express Edition, which is only supported through the forum. Any issues found can be raised through Metalink.

### **Migration Center**

Find migration-related information at the OTN Migration Center:

<http://otn.oracle.com/tech/migration>

### **Download Software**

Downloaded free of charge from OTN at:

<http://www.oracle.com/technology/software/products/sql/index.html>

### **Migration Workbench Forum**

The Migration Workbench discussion forum on OTN can be accessed at:

<http://www.oracle.com/forums/forum.jsp?forum=1>

### **Further Enquiries**

Address all product enquiries about the Migration Workbench to the Migration Group helpdesk at:

[mtg-feedback\\_ww@oracle.com](mailto:mtg-feedback_ww@oracle.com)

### **Conclusion**

The Migration Workbench supports the migration of popular third-party databases to Oracle9i, Oracle10g and Oracle 11g Databases. It reduces the migration time by automating large portions of the migration process. Its tight integration into SQL Developer provides the user with a single-stop tool to explore third party databases, carry out migration and to manipulate the generated schema objects and migrated data. The Migration Workbench is provided free of charge. The combination of these factors shows the Migration Workbench to be the strongest solution for migrating a third-party database to Oracle in today's market.

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