ORACLE SQL DEVELOPER MIGRATION

TAKE ADVANTAGE OF AN 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
- DB2 LUW
- Teradata

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

Introduction

Oracle SQL Developer is an intuitive tool that enables you to migrate a database, including the schema objects, triggers, and stored procedures, to an Oracle Database using a simple point-and-click process.

This data sheet illustrates the migration features of Oracle SQL Developer.

Supported Databases

SQL Developer currently supports migrations from the following non-Oracle databases to Oracle:

Non-Oracle 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
IBM DB2	LUW 7, 8 and 9
Teradata	12

Table 1: Supported non-Oracle databases

The main features of SQL Developer are:

- *Integrated User Interface:* Migration is integrated into Oracle SQL Developer, allowing users to browse both the non-Oracle database and the newly migrated database in the same development environment.

- *Least Privilege Migration*: Users can migrate 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

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creation of the Oracle schema(s) gives 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.

Support

SQL Developer is a supported product, for all customers with Oracle Database Support. 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

Download free of charge from OTN at:

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

Discussion Forum

The discussion forum on OTN can be accessed at:

http://www.oracle.com/forums/forum.jsp?forum=260

Conclusion

Oracle SQL Developer supports the migration of popular non-Oracle databases to Oracle9*i*, Oracle10*g* and Oracle 11*g* 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. Oracle SQL Developer is provided free of charge. The combination of these factors shows SQL Developer to be the strongest solution for migrating non-Oracle databases to Oracle.

Contact Us

For more information about Oracle SQL Developer, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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