ORACLE DATABASE 11G
ORACLE WAREHOUSE BUILDER
ENTERPRISE ETL OPTION

WAREHOUSE BUILDER

- Providing extraction, transformation, and loading (ETL and E-LT are supported in a single tool)
- Consolidating data from disparate data sources
- Migrating data from legacy systems
- Data modeling of relational and dimensional structures
- Designing and managing corporate metadata
- Cleaning data to provide quality information
- Profiling and auditing data quality

Oracle Warehouse Builder 11g Release 1 is a single, comprehensive tool for all aspects of data and metadata management. It provides data quality, data auditing, fully integrated relational and dimensional modeling, and full life cycle management of data and metadata.

Enterprise ETL Option

The enterprise ETL option for Warehouse Builder is one of the options that can be purchased with Oracle Warehouse Builder as part of the Enterprise Edition of the RDBMS.
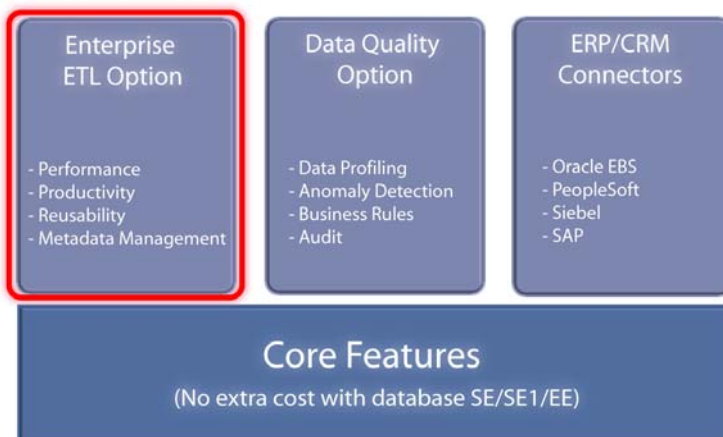

Figure 1 Warehouse Builder Options

This datasheet covers only the Enterprise ETL option as shown in Figure 1.

Advanced Data Load Options

For large implementations, more and more processes are running out of batch windows due to the sheer size of the data to load.

As part of the Enterprise ETL Option, Warehouse Builder allows loading data using fast and efficient methods such as Oracle Data Pump and transportable tablespaces. This is a completely different approach to moving data, effectively moving entire batches of data in some form of database controlled unload format. The speed is coming from omitting traditional SQL layers.

Developer Productivity

Need to do more with less? Need to make sure your transformations are consistent and well documented?

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Warehouse Builder allows you to cover your bases with the Pluggable Mapping feature. This feature allows you to create graphical transformation pieces and share these across many developers.

Embedded Slowly Changing Dimension Support

In Warehouse Builder slowly changing dimension logic is designed in the actual dimension metadata. The dimension captures all logic that will be applied to the data coming into the dimension.
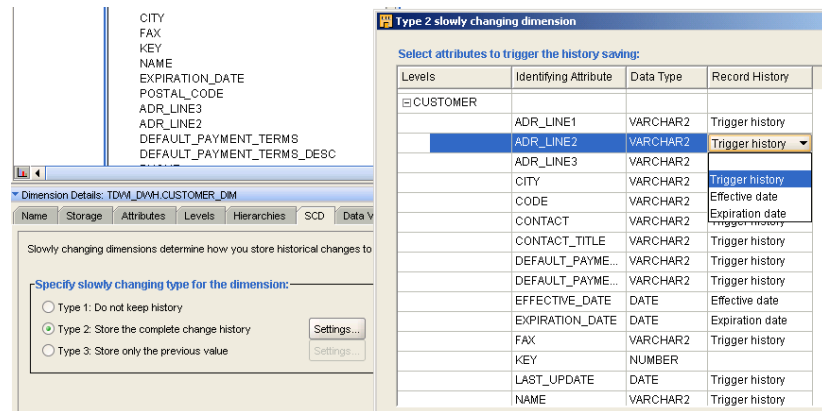

Figure 2 Slowly Changing Dimensions

Once the business user has decided which attributes are important, the data modeler designs the dimension. Within the ETL steps the developer now sees the dimension as any other dimension. This developer does need to worry about how to handle changes and updates, Warehouse Builder automates that based on the dimension definition. The combination of these steps, design and standardization make the process of effectively dealing with slowly changing dimensions much faster.

End to End Data Lineage

The Warehouse Builder Dependency Management services allow you to uncover the ripple effect of changes in metadata anywhere in your system *before* these changes break your system.

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ENTERPRISE ETL OPTION

KEY FEATURES AND
BENFITS:

- Advanced Data Load
  Options
- Developer Productivity
  through reusable
  components
- Embedded slowly
  changing dimension
  management
- End to end data lineage
  and impact
- Support for advanced
  configuration
  management

RELATED PRODUCTS

The following products are
available from Oracle:

- Warehouse Builder Data
  Quality Option
- Warehouse Builder
  Connectors (SAP,
  PeopleSoft, Siebel and
  Oracle eBusiness Suite)
- Oracle Database
- Oracle Partitioning
- Oracle OLAP
- Oracle Gateways
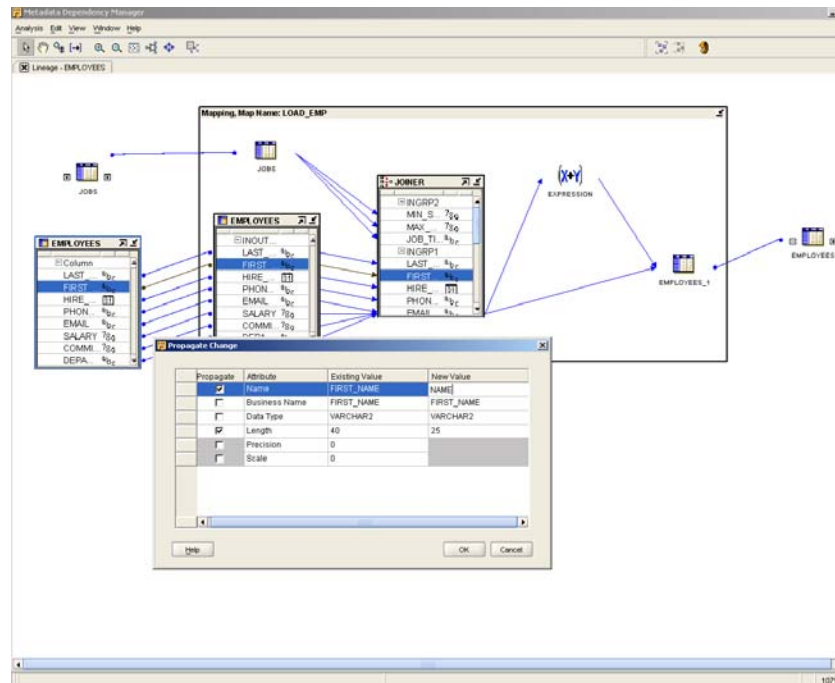
Figure 3. Propagating Change in your system

For the first time you will be proactively managing change in your system. As an
example (see Figure 3), you can propagate changes through your system within the
mapping editor.

Advanced Configuration Management

Moving systems or applications from one environment to another (for example,
development to production) is an often-faced problem.

With the Enterprise ETL option Warehouse Builder provides a model to set up these
environments at a separate level, thus allowing the design to remain logical. By
applying either the development or the production configuration, the actual
generated code is changed in specific areas. For example connection information (as
registered in the production configuration) is substituted for the original
development information.

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