

Essbase® Integration Services Release 7.1

New Features

Congratulations on receiving Essbase Integration Services Release 7.1. Essbase Integration Services enables you to transfer the relevant data in a data source to a Hyperion Essbase database quickly and easily. Use Essbase Integration Services to perform these tasks:

- Create a logical OLAP model from tables, views, and columns in databases and data warehouses
- Access the OLAP model to create a metaoutline containing the structure and rules required to generate an Essbase outline
- Access the metaoutline to create and populate an Essbase multidimensional database
- Enable Hybrid Analysis to integrate an Essbase multidimensional database with relational databases and data warehouses

Use this booklet to learn about Integration Services Release 7.1 features and documentation.

For information on platform support, hardware requirements, and creating installation or migration plans, see the *Essbase Integration Services Installation Guide*.

Contents

New Features in Release 7.1	3
Hyperion Data Integration Connector for SAP BW	3
New GUI Representation of SAP BW Data	3
SAP BW Business Names Display	4
Rapid Display of SAP BW Tables	4
SAP BW InfoCubes Support	4
SAP BW QueryCubes Access	4
Importing SAP BW Metadata Using Hyperion Hub	5
Large Database Support and New Storage Option	5
MySQL Support	6
Hybrid Analysis Support for Dynamic Time Series	6
Common Installer for Integration Services	6
Additional Platform Support	6
Where to Get More Information	8

New Features in Release 7.1

Hyperion Data Integration Connector for SAP BW

With Release 7.1, Essbase Integration Services adds its support to SAP Business Information Warehouses (BW). In previous releases, Integration Services supported traditional hierarchical databases. Now, with SAP BW, Integration Services becomes compatible with a large-scale enterprise system of data collection that utilizes nonhierarchical, process-oriented data structures. Supporting SAP BW significantly strengthens the versatility of Integration Services and expands its applicability to a variety of business environments.

Integration Services Release 7.1 functions with SAP BW using the Microsoft OLE Database (OLE DB) for online analytic processing (OLAP). The open database connectivity (ODBC) driver used for connecting Integration Services to SAP BW is manufactured by Simba Technologies. (Installation requirements and procedures for the Hyperion Connect driver are included in a new document, *Hyperion Data Integration Connector for SAP BW Installation Guide*.)

Support for SAP BW is available through Hyperion Data Integration Connector for SAP BW, a separately purchased and licensed option.

The specific versions of SAP BW supported in Integration Services Release 7.1 include SAB BW 3.0b and v 3.1x.

New GUI Representation of SAP BW Data

With its support of SAP BW, Integration Services Release 7.1 offers several graphical user interface (GUI) enhancements for the rapid and useful display of SAP BW data. Among the new GUI enhancements are the following features:

- When you choose an SAP metadata catalog, all the SAP BW InfoCubes and QueryCubes related to the catalog are displayed.
- You can right-click an InfoCube name or a QueryCube name in the left frame of the OLAP Model main window to automatically import the appropriate model.
- After importing a model, you can view a complete star schema representation of the InfoCube or QueryCube used to create the model.

SAP BW Business Names Display

To make the display of data more intuitive, Integration Services Release 7.1 supports both SAP BW business names and internal names.

All metadata displayed to a user is in the form of business names that can be edited in Integration Services Console. The business names are displayed in a tree hierarchy in the OLAP Model main window. Integration Services uses the internal names to communicate with SAP BW and to perform processing tasks. The internal names are not displayed in the user interface.

Rapid Display of SAP BW Tables

Integration Services Release 7.1 quickly displays large numbers of SAP BW tables in the OLAP Model main window. Because Business Information Warehouse (BW) data warehouses typically store large amounts of data, a rapid display of the SAP BW tables enables you to take advantage of the large size of the BW warehouse.

SAP BW InfoCubes Support

SAP BW InfoCubes are stored in a star schema format in the Business Information Warehouse (BW) data warehouse and are used by BW as data sources. Each InfoCube consists of one fact table and one or more dimension tables.

Integration Services Release 7.1 provides the capability of accessing data items from SAP BW InfoCubes. You can access attributes, hierarchies, key performance indexes (analogous to measures in Integration Services), metadata, and data.

SAP BW QueryCubes Access

SAP BW QueryCubes are formed in the Business Information Warehouse (BW) data warehouse by applying a query against an InfoCube. QueryCubes are the objects that contain the data used in the OLAP application programming interface (API).

Integration Services Release 7.1 provides the capability of accessing data items from SAP BW QueryCubes. You can access attributes, hierarchies, key performance indexes (analogous to measures in Integration Services), and metadata.

Importing SAP BW Metadata Using Hyperion Hub

Hyperion Hub enables the synchronization of business hierarchies, the storage and versioning of these hierarchies, and the integration of data across Hyperion Business Performance Management applications. With its ability to import and export XML files, Integration Services Release 7.1 provides the means of migrating SAP BW metadata items using Hyperion Hub. Integration Services uses the following SAP BW metadata items to build multidimensional cubes in Essbase:

- InfoCubes
- QueryCubes
- Dimensions
- Key performance indexes (analogous to measures in Integration Services)
- Hierarchies
- Numbered levels
- Characteristic values
- Attributes

The above metadata items from an SAP BW data warehouse enable you to generate reports and perform data analysis in such areas as accounts payable, accounts received, inventory, and order processing.

Large Database Support and New Storage Option

With its Release 7.1, Essbase Analytic Services supports very large databases. To support these large Analytic Services databases, Release 7.1 of Integration Services creates and manages large dimensions and hierarchies.

In conjunction with supporting large databases, Integration Services also supports the new storage option, *aggregate storage* (sometimes referred to as *consolidated storage*). In Essbase aggregate storage, data is gathered from dependent entities and aggregated up to parent entities, often producing a very large amount of data.

Release 7.1 of Integration Services offers the following capabilities:

- Loading aggregate storage members and data
- The option of selecting either block storage (dense and sparse) or aggregate storage
- Constructing aggregate storage metaoutlines
- Verifying that metaoutlines meet all requirements of aggregate storage databases

- Validating aggregate storage databases
- Drilling through to aggregate storage databases
- Using Hybrid Analysis on aggregate storage databases

MySQL Support

Teradata databases work with large amounts of data and large data queries. Release 7.1 of Integration Services addresses the needs of Teradata users who initiate small data queries. Release 7.1 introduces support for MySQL, which enables you to process small data requests quickly and efficiently when you are in a Teradata environment.

Hybrid Analysis Support for Dynamic Time Series

Release 7.1 of Integration Services expands the capabilities of Hybrid Analysis by enabling you to use it with Dynamic Time Series.

Common Installer for Integration Services

Beginning with Release 7.0, common installer technology is used to install Integration Services. This feature ensures consistency with the installation of other Hyperion products. The common installer is used with all operating systems supported by Integration Services, including Windows and UNIX.

Additional Platform Support

With Release 7.1, Integration Services adds Microsoft Windows 2003 to its list of supported operating systems. In addition, in the earlier Release 7.0.1, Integration Services extended its platform support to include Linux Enterprise Red Hat AS 2.1.

Where to Get More Information

Except for the most recent information, each topic in this booklet is described in more detail in the Essbase Integration Services documentation.

For answers to questions about the product, contact your authorized technical support provider or

Hyperion Solutions Customer Support
Phone: 203-703-3600 (outside the U.S.A.)
Phone: 877-901-4975 (in the U.S.A.)
Internet: <http://support.hyperion.com>

Visit the Hyperion Solutions Web Site Home Page at <http://www.hyperion.com>

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U.S. Patent Numbers: 5,359,724 and 6,317,750

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Printed in the U.S.A.