Hyperion Integration Server Release 2.0

New Features and Documentation

Congratulations on receiving Hyperion® Integration Server Release 2.0. Hyperion Integration Server enables you to transfer the relevant data in a relational database to a Hyperion Essbase® database quickly and easily. Use Hyperion Integration Server to:

- Create a logical OLAP model from tables, views, and columns in your relational database
- Access the OLAP model to create a metaoutline containing the structure and rules required to generate a Hyperion Essbase outline
- Access the metaoutline to create and populate a Hyperion Essbase multidimensional database

Use this booklet to learn about Hyperion Integration Server Release 2.0 features and documentation.

For information on platform support, hardware requirements, and creating an installation or migration plan, see the *Hyperion Integration Server Start Here* booklet.

Contents

Release 2.0 Documentation Roadmap

The following table lists documentation available with Hyperion Integration Server Release 2.0.

Product Component	Document Format	Document and File Location
Hyperion Integration Server Release 2.0	Print	• Start Here • New Features • Installation Guide
	PDF	• Start Here:\is\books\isstart.pdf • New Features: \is\books\isnwfet.pdf • Installation Guide: \is\books\install.pdf
OLAP Integration Server	Print	System Administrator's Guide
	PDF	System Administrator's Guide: \is\books\sysadmin.pdf
OLAP Model	Print	Hyperion Integration Server Desktop OLAP Model User's Guide
	PDF	Hyperion Integration Server Desktop OLAP Model User's Guide: \is\books\model.pdf
	Online Help	OLAP Model Help: \is\bin\olaparch.hlp OLAP Model Assistant Help: \is\bin\Modelasst.hlp
OLAP Metaoutline	Print	Hyperion Integration Server Desktop OLAP Metaoutline User's Guide
	PDF	Hyperion Integration Server Desktop OLAP Metaoutline User's Guide: \is\books\metaout.pdf
	Online Help	OLAP Metaoutline Help: \is\bin\olapbldr.hlp OLAP Metaoutline Assistant Help: \is\bin\metaasst.hlp
ODBC Drivers	PDF	ODBC reference documents \ODBCDocs\odbcref.pdf \ODBCDocs\read.me

Related documentation that end users may need for accessing data in Hyperion Essbase is provided in the online *Hyperion Essbase Spreadsheet Add-in User's Guide* PDF documentation located in the following directories:

- *Hyperion Essbase Spreadsheet Add-in User's Guide for Excel*

  `\essbase\docs\client\essexcel.pdf`

- *Hyperion Essbase Spreadsheet Add-in User's Guide for 1-2-3*

  `\essbase\docs\client\ess123w.pdf`

For information about Hyperion Essbase, database design, and OLAP basics, also see the *Hyperion Essbase Database Administrator's Guide* included with your Hyperion Essbase product.

What's New in Release 2.0

Easy-to-Use Assistants

Hyperion Integration Server Release 2.0 introduces easy-to-use assistants to step you through the process of creating or modifying an OLAP model and a metaoutline. The OLAP Model and OLAP Metaoutline Assistants are Hyperion wizards that provide a guided path for quickly creating valid OLAP models and metaoutlines.

Assistant Inline Help

The OLAP Model and OLAP Metaoutline Assistants provide inline help that explains the purpose of each tab that you encounter while creating OLAP models and metaoutlines. Inline help is text displayed directly within the assistant tabs. You do not need to click a button or exit the active window for task information related to that window.

Assistant Online Help

For more detailed information about assistant tabs and functions, click the Help button to access Windows Help topics. Windows Help for this release appears in the new WinHelp 2000 format: a left frame displays the table of contents, and a right frame displays the selected topic.

As in previous Hyperion Integration Server Windows help, the online help provides graphics of each window and tab in the user interface. You can click boxes, options, and buttons to display field-level help for the selected item.

A New Desktop Paradigm and Streamlined Launch Points

Hyperion Integration Server Release 2.0 provides a single executable file (`olapbldr.exe`) and a new, streamlined launch method.

A Single Launch Point

From a shared desktop window, you can now launch assistants to create either an OLAP model or a metaoutline. If you prefer, you can launch the standard user interface to create an OLAP model or a metaoutline outside the assistant wizards.

Task and Conceptual Overviews

If you are new to Hyperion Integration Server, you can click an Overview button for conceptual information about OLAP models or metaoutlines or to view task flow information for the assistants.

New, Existing, or Recent OLAP Model Options

When you are ready to work on an OLAP model, you can open a model by clicking the appropriate New, Existing, or Recent tab in the Welcome dialog box. You can use a new Exclusive Access option to set an immediate write lock on the OLAP model you are creating or editing, or you can wait until you save the model to have Hyperion Integration Server set a write lock automatically.

When you have completed work on an OLAP model, you can launch the OLAP Metaoutline Assistant or open a metaoutline within the standard user interface directly from the OLAP Model main window. Simply select File > New to create a new metaoutline or File > Open to open an existing metaoutline.

New, Existing, or Recent OLAP Metaoutline Options

Hyperion Integration Server provides the same New, Existing, or Recent options for opening a metaoutline. In addition, you can view the names of all metaoutlines associated with a particular OLAP model in the left frame of the desktop Welcome dialog box. Simply click the plus symbol (+) in front of an OLAP model name to expand the view and display all related metaoutlines.

You can specify exclusive access to set an immediate write lock when creating a new metaoutline or opening an existing one to edit. When you have completed work on a metaoutline, you can access a Hyperion Essbase Load assistant. You use the new assistant to initiate an immediate member or data load or to schedule the load for a future date and time.

Note: The OLAP Model and OLAP Metaoutline Assistants provide the basic functions necessary to create OLAP models and metaoutlines. For more complex operations, such as fine-tuning data transformations or creating attribute dimensions, you need to access the standard user interface. For information on standard user interface functionality, refer to the *Hyperion Integration Server Desktop OLAP Model User's Guide* and the *Hyperion Integration Server Desktop OLAP Metaoutline User's Guide*.

New Client-Server Architecture

Thanks to a newly designed client-server architecture, OLAP Integration Server now manages all connections between Hyperion Integration Server client users and the relational data source and OLAP Metadata Catalog. Hyperion Integration Server client software connects to OLAP Integration Server using TCP/IP protocol and no longer requires relational database management system (RDBMS) client software or an Open Database Connectivity (ODBC) connection to the server.

With this new architecture, users can make a single connection from the Hyperion Integration Server Welcome dialog box to an OLAP Metadata Catalog and to a data source and complete an entire full-cycle session that can include creating an OLAP model, building a metaoutline from the OLAP model, and loading members and data into a Hyperion Essbase database.

Attribute Dimension Support

In Hyperion Essbase OLAP analysis, attributes are characteristics of your data. For example, products can have attributes such as colors, sizes, or flavors. Hyperion Integration Server Release 2.0 provides support for this powerful Hyperion Essbase Release 6.0 feature.

Now you can create attribute dimensions in OLAP models and metaoutlines to analyze attribute data in a Hyperion Essbase database and enjoy the following benefits:

- Access to five consolidations of all attribute data: sums, counts, averages, minimums, and maximums.

- Meaningful summaries of attribute data through creation of crosstab reports. Crosstab reports provide a way of displaying summaries of your data, based on multiple characteristics. For example, you can group different attribute information by columns and rows to see the total sales of grape-flavored soda packaged in 12-ounce cans.

- Four attribute types that enable you to selectively view the data comparisons that you want to see: text, numeric, Boolean, and date-based.

- Use of numeric attributes to group and summarize attribute data by ranges of values. For example, you can analyze your data by population ranges such as 0 through 1000000, 1000001 through 2000000, and so on.

Attribute dimensions and members are Dynamic Calc only, meaning that attribute data is not stored in the Hyperion Essbase database, and your outlines may be smaller. In addition, you can decide at retrieval time whether you want to view attribute data, giving you greater choice and flexibility in determining your OLAP reporting needs on an as-needed basis.

You set columns as attribute-enabled during creation of OLAP models. In the subsequent metaoutline, default attribute dimension types (text, numeric, Boolean, and date) of the attribute-enabled columns are based on the level 0 attribute member type. You can choose to override the default dimension types, based on the following rules:

- String column data types can become text or Boolean attribute dimensions.

- Numeric column data types can become text, numeric, or Boolean attribute dimensions.

- Datetime column data types can become text or date attribute dimensions.

During metaoutline creation, you also associate Level 0 attribute members with members in their respective base dimension, either by level or by metaoutline member. For details on creating attribute dimensions, see the *Hyperion Integration Server Desktop OLAP Model User's Guide* and the *Hyperion Integration Server Desktop OLAP Metaoutline User's Guide*.

Transformation Enhancements

With Release 2.0, you can use a prefix or suffix to generate unique member names from columns contained in a hierarchy that you create in an OLAP model. For example, if you have duplicate month names for two or more years, you can add a suffix to the month column names to include the year being reported so that Hyperion Essbase reports the correct values for each month in the year.

You can apply the following new prefix and suffix options to relational data columns that become members in the Hyperion Essbase outline:

- Parent Name—Attaches the immediate parent (for example, Florida_Miami)

- Grandparent Name—Attaches the parent preceded by the parent's parent name (for example, East_Miami)

- All Ancestors' Name—Attaches all parents (for example, Markets_East_Florida_Miami)

- Dimension Name—Attaches the dimension name (for example, Markets_Miami)

- Custom Prefix/Suffix—Attaches a specified prefix or suffix (for example, a prefix like Location_Miami)

New Preview Options

Hyperion Integration Server Release 2.0 includes preview options that enable you to view filters and transformations in a sample Hyperion Essbase outline. You can view a sample outline from the Hyperion Integration Server Desktop for both OLAP models and metaoutlines.

Preview Results

To view the results of a filter or transformation that you have created for an OLAP model or metaoutline, simply click the Preview Results button in the Edit Filter or Edit Transformations dialog box in the standard user interface. The system displays the members that will appear in the Hyperion Essbase outline and the sample SQL statements that OLAP Integration Server generates to retrieve the members from the relational data source.

View Sample

To view the results of a hierarchy that you create in an OLAP model, select the hierarchy level that you want to view and click the View Sample button in the standard user interface Edit Hierarchy dialog box, or click the Preview Hierarchies tab in the OLAP Model Assistant. To view a hierarchy in a metaoutline, select the hierarchy, right-click, and then select Sample from the pop-up menu.

To view a sample of how a metaoutline will look in Hyperion Essbase outline format, select the dimension or member level you want to view, and then select View > Sample in the OLAP Metaoutline main window. The system displays the members that will appear in the Hyperion Essbase outline and the sample SQL statements that OLAP Integration Server generates to retrieve the members from the relational data source.

New View > Essbase Properties Option

A new View > Essbase Properties menu option in Release 2.0 enables you to view Hyperion Essbase properties while working in the OLAP Metaoutline main window of the Hyperion Integration Server Desktop. You can customize the view to display Hyperion Essbase properties in either columnar format (with the properties displayed under column headings) or condensed format (with the properties displayed parenthetically to the right of dimensions and members). The condensed format displays Hyperion Essbase properties in a manner similar to a Hyperion Essbase outline.

You can also view metaoutline icons that indicate the member levels and measures for which you have created filters or transformations. Use the View > Metaoutline Icons command to display filter and transformation icons.

New Multiple-Select Option

In addition to other new user interface enhancements that Release 2.0 provides, you can now select multiple objects in both the left and right frames while working in the standard user interface to create OLAP models and metaoutlines. In OLAP models, you can select multiple columns for applying Hide, Drill-Through, or Attribute settings. These options select data source columns that are to be hidden in OLAP model dimension tables, columns that are marked for Drill-Through by users of Hyperion Essbase Spreadsheet Add-in, and columns that are to be set as attribute-enabled. You can apply these settings by selecting an OLAP model dimension table, selecting View > Properties > Table, and then selecting the Columns tab.

When performing column deletes in OLAP models, you can select multiple columns to be deleted in a single operation, rather than deleting each column individually.

In metaoutlines, you can set or change Hyperion Essbase properties for multiple dimensions, member levels, and measures. In addition, you can delete multiple objects at the same time and perform Drill-Through commands on multiple objects.

Improved OLAP Model and Metaoutline Management

Release 2.0 provides the following new features to streamline management of OLAP models and metaoutlines:

- The ability to delete an OLAP model and an associated metaoutline within the same Delete dialog box, without having to open a second window to access the other document, or to log on to the data source or OLAP Metadata Catalog associated with the other document.

- Hierarchical deletion that assists you by automatically deleting an OLAP model associated with a metaoutline that you delete. Built-in logic tracks the relationships between the OLAP models and metaoutlines to reduce errors.

- Multiple-select options for deleting OLAP models and metaoutlines to simplify your housekeeping tasks. These same multiple-select options apply down to the column level of the OLAP models and metaoutlines that you create.

Improved Error Handling

Release 2.0 provides new interactive error handling when you perform member and data loads after completing a metaoutline. When you schedule a member or data load (or both) either to begin immediately or at a specific date and time, an interactive dialog box displays dynamic status information about the load. If Hyperion Integration Server encounters problems during the load, the dialog box displays error messages and warnings for the errors encountered. You can choose to click the Stop Load button to stop the load, review the error messages, correct the errors, and then restart the load. (If you stop and then restart the load, OLAP Integration Server does not resume the current load but restarts the load from the beginning.)

New Sample Application

Hyperion Integration Server Release 2.0 provides a new sample database based on a fictitious company named The Beverage Company (TBC). A new sample OLAP Metadata Catalog (TBC_MD) contains a sample OLAP model (TBC Model) and a sample metaoutline (TBC Metaoutline). The sample OLAP model contains attribute-enabled columns, and the sample metaoutline includes attribute dimensions.

Where to Get More Information

Each topic in this booklet is described in more detail in the documentation provided with this release.

For information on creating an installation or migration plan, see the *Hyperion Integration Server Start Her*e booklet.

For answers or comments on technical documentation, contact:

Hyperion Integration Server Technical
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For answers to technical questions on product, performance, and platform specifics, contact your authorized technical support provider, or:

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