SAP BusinessObjects™

Interactive Analysis Getting Started Guide

- Interactive Analysis 1.0

2009-10-06

SAP

2009-10-06

Contents

Introduction to Interactive Analysis

What is Interactive Analysis?

Interactive Analysis (IA) is a standalone, end-to-end reporting tool that enables you to interact with Web Intelligence reports without any business intelligence platform support. It offers both self-service access to data and intuitive information analysis by helping you turn business insights into effective decisions. It also enables you to create Web Intelligence documents by using local data sources such as EXCEL, CSV, TEXT files, Print files, ASCII files, and standalone universes, without connecting to Central Management Server (CMS). In addition, you can build standalone universes based on your specific requirements, by connecting to different databases.

The Interactive Analysis tool optimizes report creation efficiency and generates calculation results much faster than online clients. This tool does not require you to install an application server.

The Interactive Analysis consists of the following components:

- Universe Designer Personal (UDP): An integrated standalone tool that enables you to create standalone universes, by connecting to the database middleware. The standalone universes can be shared across the Interactive Analysis users for the specified deployment.
- Interactive Analysis: An integrated standalone query, reporting, and analysis tool that enables you to create Web Intelligence reports.
- Universe Connection Manager (UCM): An integrated tool that enables you to manage universe connections. It associates connections with universes without using Universe Designer Personal.

  Note:
  The UCM component is available only for Interactive Analysis Version for OEM users.

SAP BusinessObjects provides Interactive Analysis viewlets that are online videos. These viewlets explain Interactive Analysis concepts and processes required to build ad hoc reports. For information on viewlets, see:

https://www.sdn.sap.com/irj/sdn/businessobjects-webi?rid=/webcontent/uuid/20c3f6f2-2672-2b10-0494-eb4d421fb4af

Who is Interactive Analysis for?

Interactive Analysis is ideal for users who want to create, edit, and view Web Intelligence documents by using local data sources and standalone universes, without connecting to the CMS or without installing an application server. You can also use Interactive Analysis to build standalone universes.

About this guide

This guide describes how to install Interactive Analysis. Also it describes how to create Web Intelligence documents by using personal data providers (PDP) and standalone universes. In addition, it describes how to create standalone universes, connections, classes, and objects.

Who should read this guide?

This guide is intended for users who want to install the Interactive Analysis tool and create documents by using local data sources such as EXCEL, CSV, TEXT files, Print files, ASCII files, and standalone universes.

For creating standalone universes, users must be familiar with database with which they want to work.

Installing Interactive Analysis

This chapter describes the system requirements and the process for installing Interactive Analysis.

System requirements

The following components must be installed and configured correctly on the system before installing Interactive Analysis:

- Windows operating system: Windows 2000, Windows 2003, Windows XP, Windows Vista, or Windows 2008
- .NET 2 Framework

Note:
Interactive Analysis installation fails if the installer detects a Web Intelligence Rich Client (WRC) installation.

For a detailed list of tested environments, see the Platform Availability Report (PAR) available at the SAP BusinessObjects community network website: *http://service.sap.com*.

This file provides the list of specific version and service pack requirements for databases and operating systems.

Compatibility with other SAP BusinessObjects products

The following SAP BusinessObjects products are compatible with Interactive Analysis:

- Crystal Reports 2008 V1 Service Pack 2 Patch update
- Live Office XI 3.1 Service Pack 2 Patch update

The following SAP BusinessObjects products are incompatible with Interactive Analysis:

- Crystal Reports 2008 V0
- Crystal Reports 2008 V1
- Live Office (XI 3.0)
- Live Office XI 3.1
- BusinessObjects Enterprise XI 3.0 Client Tools
- BusinessObjects Enterprise XI 3.1 Client Tools
- BusinessObjects Enterprise XI 3.1 Client Tools Service Pack 2 Patch update
- BusinessObjects Edge BI 3.0 Client Tools
- BusinessObjects Edge BI 3.1 Client Tools
- BusinessObjects Edge BI 3.1 Client Tools Service Pack 2 Patch update
- BusinessObjects Enterprise XI 3.0 Server
- BusinessObjects Enterprise XI 3.1 Server
- BusinessObjects Enterprise XI 3.1 Server Service Pack 2 Patch update
- BusinessObjects Edge BI 3.0 Server
- BusinessObjects Edge BI 3.1 Server
- BusinessObjects Edge BI 3.1 Server Service Pack 2 Patch update
- Enterprise XI Release 2
- Edge XI Release 2 (also known as Crystal Decisions)
- Crystal Reports Designer 2008

If you try to install Interactive Analysis on a system that already has any of the above-mentioned products installed, the Interactive Analysis installer displays an appropriate message and the installation terminates.

Installing Interactive Analysis

This section describes how to install Interactive Analysis.

To install Interactive Analysis, perform the following steps:

1. Run `setup.exe` from the root folder of the product distribution.

   The "Open File - Security Warning" dialog box appears with the following message: "Do you want to run this file?"

2. Click **Run**.

   The "Please Choose Setup Language" screen appears.

If the installer detects any unsupported SAP BusinessObjects products installed on the same system then, the "Unsupported Product Detected" screen appears. To know the list of supported products click the link List of supported Co-existence BusinessObjects products.

3. Select the setup language from the drop-down list, and click **OK**.

   The "Welcome to the Interactive Analysis Installation Wizard" screen appears.

4. Click **Next**.

   The "License Agreement" screen appears.

5. Select the **I accept the license agreement** option, and click **Next**.

   The "User Information" screen appears.

6. Enter the full name, name of the organization, and product keycode information in the "Full Name", "Organization", and "Product Keycode" fields, and click **Next**.

   The "Destination Folder" screen appears.

7. If you choose to install to the default location (`C:\Program Files\Business Objects\`), then click **Next**. If you want to install to a different location, then click **Browse** to select the preferred location, and click **Next**.

   Note:
   If you have already installed any SAP BusinessObjects product on the system, then you cannot change the installation path. The location where the SAP BusinessObjects product is installed is selected by default.

   The "Choose Language Packs" screen appears.

8. Select the language packs you want to install, and click **Next**.

   Note:
   By default, the English language pack is installed along with the language packs you specify.

   The "Ready to Install the Application" screen appears.

9. Click **Next** to begin the installation process.

   The installation program validates your system and installs Interactive Analysis in the specified directory.

10. Click **Finish** to complete the installation.

You can run a silent installation from the command line to automatically install Interactive Analysis on any system. The installation program does not prompt you for information during the installation process.

You can use the following script to perform a silent installation of Interactive Analysis:

```
setup.exe /qn+ CLIENTLANGUAGE="EN" ENABLELOGFILE="1"
INSTALL.LP.EN.SELECTED="1" PIDKEY="XXXXX-XXXXXXX-XXXXXXX-
XXXX"
ADDLOCAL="ALL" LAUNCHAPP=0
```

Note:
In silent installation, you must ensure that the value of LAUNCHAPP parameter is set to 0, so that the application does not get launched after the installation.

Interactive Analysis basics

Interactive Analysis is a standalone, locally installed Microsoft Windows application that enables you to view and edit Web Intelligence documents (WID) that are stored either on a local system or in a CMS. It also enables you to create new Web Intelligence documents by using local data sources such as EXCEL, CSV, TEXT files, Print files, ASCII files, and standalone universes.

For more information on the Interactive Analysis functionality, see the *Building Reports with Interactive Analysis*.

Creating an Web Intelligence document

After installing Interactive Analysis, you must launch the Interactive Analysis from the **Start** menu to create an Web Intelligence document. You can create an Web Intelligence document by using one of the following data sources:

- Local data source (personal data provider): You can create a query from an external file located in the local system or in the local network. You can create queries in the following formats: EXCEL, CSV, TEXT files, Print files, ASCII files, and Custom Data Providers.

  For more information on Custom Data Providers, see *Custom Data Provider Plug-in Developer Guide* and *CDS Framework Object Model Diagrams* available at *http://help.sap.com/*.

- Universe: A universe is mapped to a database containing corporate business information. You must use objects in the universe to build a query, and to return data from the database to the Web Intelligence document.

If you want to create an Web Intelligence document by using a universe, you must first create the universe by using Universe Designer Personal. For information about creating a universe, see *Creating a new eFashion universe*.

Interactive Analysis working modes

You can work with Interactive Analysis in three modes: Connected, Offline, or Standalone.

Interactive Analysis Standalone mode

In Standalone mode, Interactive Analysis is not connected to a CMS and no security is enforced. You can work only with local, unsecured documents and universes.

Interactive Analysis Connected mode

In Connected mode, Interactive Analysis is connected to a CMS. You can work with documents on the CMS, or with local, secured documents, or unsecured documents.

Interactive Analysis Offline mode

In Offline mode, Interactive Analysis is not connected to a CMS. However, Interactive Analysis applies CMS security rights by matching the access rights for the document or universe with the locally stored security file. For example, if a document was downloaded from a CMS to your local system, and you do not have the right to open the document in the CMS from which it was downloaded, then you cannot open the document on your local system.

You can work with local documents and universes that are secured by the CMS you selected at login, or with unsecured local documents and universes.

Note:
Before you start work in Offline mode with documents or universes secured by a CMS, you must first have connected to that CMS at least once in Connected mode. This allows Interactive Analysis to download the CMS security information to your local system, and to display the CMS as a choice in the System list on the login page. You can then log into Interactive Analysis in Offline mode and work without a CMS connection, because Interactive Analysis reads the CMS security information in the local file.

For more information on Interactive Analysis working modes, see *Interactive Analysis User's Guide*.

Launching Interactive Analysis

When you launch Interactive Analysis from the **Start** menu, the application is launched in Standalone mode by default. However, you can work in Connected or Offline mode by using the **Tools** > **Login As** option.

You can run multiple instances of Interactive Analysis simultaneously, in any mode, and connect to any available CMS.

The CMS connection status and the current Interactive Analysis working mode are shown in the status bar in the bottom right corner of the screen.

Launching Interactive Analysis in Standalone mode

In Standalone mode, you cannot work with documents or universes that have been secured by a CMS.

Any middleware required to work with unsecured documents and universes must be installed on your computer.

To launch Interactive Analysis in Standalone mode, select **Start** > **Programs** > **Interactive Analysis**.

Interactive Analysis is launched in Standalone mode.

If Interactive Analysis was already running on your computer, launching it again opens a new instance of the application.

For information on launching Interactive Analysis in Connected or Offline mode, see *Building Reports with Interactive Analysis*.

Creating an Interactive Analysis document

This section describes how to create an Interactive Analysis document by using universes and local data sources.

Creating an Interactive Analysis document by using a personal data provider

This section describes how to create a new Interactive Analysis document by using a personal data provider such as Excel.

To create an Interactive Analysis document by using an EXCEL file, perform the following steps:

1. Select **Start** > **Programs** > **Interactive Analysis**.

   Interactive Analysis is launched in Standalone mode.

2. Select **File** > **New**.

   The "Data source selection" screen appears.

3. Select **Other data source**, and select **Text and Excel files** from the drop-down list. Click **Next >>**.

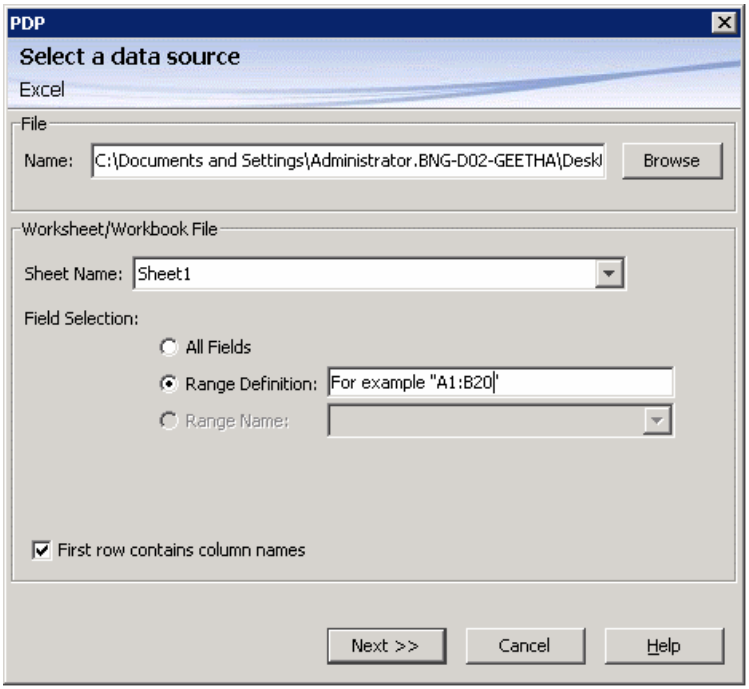
   The "Select a data source" screen appears.

4. Click **Browse**.
5. Select the Excel file located on your local system, and click **Open**.

   The "Worksheet/Workbook File" pane appears.

6. In the **Sheet Name** field, select the sheet name from the drop-down list.
7. In the **Field Selection** field, select **Range Definition**, and specify the range of cells you want to include in the query.

   For example, "A1:B20". In this case, the data is retrieved from A1 cell to B20 cell (2 columns and 20 rows).



8. Select the **First row contains column names** option to display the first row as column names.

   If this option is not selected, then the column names in the table are displayed as "col1", "col2", and so on.

9. Click **Next>>**.

   The "Create Query" window appears. It contains the first row of the column as data source objects in the "Result Objects" pane. The data sample is displayed in the bottom pane, which contains the data available in the selected data range.

10. Click **Run Query**.

    The data is retrieved from the Excel data source, and an Interactive Analysis document is created.

Creating an Interactive Analysis document by using a universe

If you want to create an Interactive Analysis document in the Standalone mode, you must ensure that the universe is available on your local system.

You can use the eFashion sample universe packaged along with the Interactive Analysis to create an Interactive Analysis document. This section describes how to create an Interactive Analysis document by using the eFashion universe.

To create a new Interactive Analysis document by using the eFashion universe, perform the following steps:

1. Select **Start** > **Programs** > **Interactive Analysis**.

   Interactive Analysis is launched in Standalone mode.

2. Select **File** > **New**.

   The "Data source selection" screen appears.

3. Select **Universe**, and click **Next >>**.

   The "Universe" screen appears, and lists the available universes.

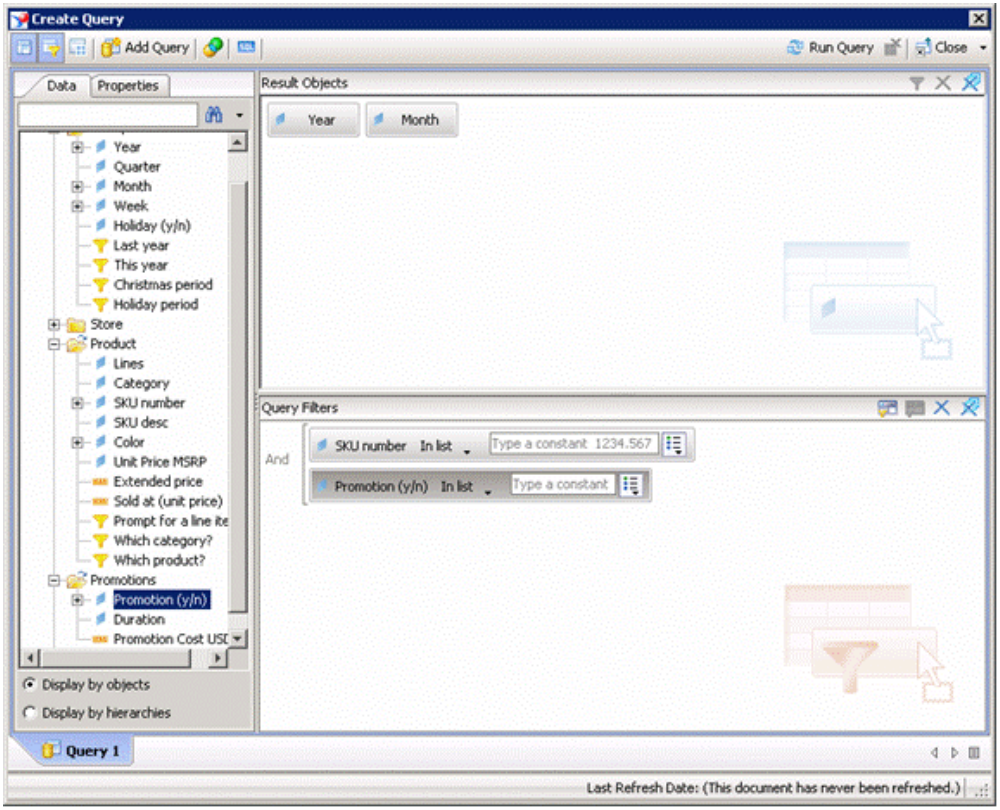
4. Select the eFashion universe from the list of universes, and click **OK**.

   The "Create Query" screen appears. It displays the classes and objects in the eFashion universe.

5. In the **Data** tab, select the objects you want to include in the query, and drag them to the "Result Objects" pane.

   Note:
   To add all objects in the class, drag the class to the "Result Objects" pane.

6. Select the objects on which you want to define query filters, and drag them to the "Query Filters" pane.



7. Set the scope of analysis and other query properties.
8. Click **Run Query**.

   Interactive Analysis retrieves data from the database, and an Interactive Analysis document is created.

Saving an Web Intelligence document locally

You can save Web Intelligence documents locally in the following file formats:

- Web Intelligence document
- Excel document
- PDF document

- CSV file

To save Web Intelligence document locally, perform the following steps:

1. Select **File** > **Save**.
   The "Save Document" screen appears.
2. Type the name of the document in the **File Name** field.
3. Select the document format from the **Files of type** drop-down list.

   Note:
   You cannot save a document if **All Files** is selected in the **Files of type** drop-down list.

   The dialog box displays the options associated with the selected format type.
4. Set the options associated with the file format, and click **Save**.
   The document is saved in the default location: `C:\Documents and Settings\Administrator\My Documents\My Business Objects Documents\userDocs`. However, you can change the default location and save the document in a directory of your choice.

Interactive Analysis Update feature

Interactive Analysis Update is a feature that enables you to check for Interactive Analysis updates available at the SAP BusinessObjects Support website. It also enables you to download and install these updates on your system.

This feature provides you with the following options:

- Check for updates automatically: This option is enabled by default. If the Update feature detects updates, the Update icon appears at the bottom right of the Interactive Analysis screen. You can double-click the Update icon to view the list of available updates.

  Note:
  The Interactive Analysis Update feature checks for updates the first time Interactive Analysis is launched on a particular day.

- Check for updates manually: This option enables you to check for updates manually whenever you want, and enables you to download and install the updates.

Checking for updates manually

To check for Interactive Analysis updates manually, perform the following steps:

1. Select **Start** > **Programs** > **Interactive Analysis**.
   Interactive Analysis is launched in Standalone mode.
2. Select **Help** > **Check for updates**.
   The "Interactive Analysis - Check for updates" screen displays the list of available updates.

Downloading and installing Interactive Analysis updates

To download and install Interactive Analysis updates, perform the following steps:

1. Select **Start** > **Programs** > **Interactive Analysis**.
   Interactive Analysis is launched in Standalone mode.
2. Select **Help** > **Check for updates**.
   The "Interactive Analysis - Check for updates" screen appears with the list of available updates.
3. Select the update you want to install, and click **Download**.
   The Windows Installer Package is downloaded to the following location: `C:\Documents and Settings\<user account>\Local Settings\Temp`
4. Click **Install**.
   The "Install" screen appears with the following message: "Shutdown and install updates?"
5. Click **OK**.
   The Interactive Analysis session closes and the Installation Wizard appears.

Note:
If the Universe Designer Personal or the Universe Connection Manager is open, you must close it manually.

6. Follow the on-screen instructions to install the updates.

   The selected update is installed.

Universe Designer Personal basics

Universe Designer Personal is a tool that enables you to create standalone universes for Interactive Analysis users. It is a semantic layer that isolates end users from technical issues in the database structure. The Universe Designer Personal offers only the standalone functionality. It does not support importing universes from or exporting universes to the CMS.

For more information on Universe Designer Personal functionality, see the *Universe Designer Personal User's Guide*.

Universe fundamentals

Universe

A universe is a file that contains the database connection parameter. It also contains SQL structures called objects, which map to actual SQL structures in the database such as columns, tables, and SQL tables.

A universe can represent any specific application, system, or group of users. For example, a universe can relate to a department in a company such as marketing or accounting. A universe can also relate to a section within a department or just about any set of organized procedures such as a payroll or inventory system. A universe consists of a set of objects grouped by classes.

Universe objects

In SAP BusinessObjects products, an object is a named component in a universe that represents a column or function in a database. An object represents a meaningful entity, fact, or calculation that is used in an end user's business environment.

In Universe Designer Personal, you can qualify an object as one of the following three types:

- Dimension object: A dimension object represents data that provides the basis for analysis in a report. Dimension objects retrieve character-type data. For example, customer names, resort names, or dates.
- Detail object: A detail object provides descriptive data about a dimension. A detail object is always attached to a dimension object and provides additional information about the dimension object. For example, "Age" is a detail object that is associated with the "Customer" dimension.
- Measure object: A measure object retrieves numeric data that is the result of calculations performed on data in the database. For example, "Revenue" is the result of calculations performed on the number of items sold multiplied by item price.

  Following are the types of measure:
  - Classic measures: calculated by Interactive Analysis.
  - Smart measures: calculated by the database on which the universe is based.

Classes and subclasses

Objects are grouped into folders called classes. Each class can also contain one or more subclasses. Subclasses contain objects that form the subcategory of objects in the upper level of the class.

The classes organize the objects into logical groups. When you create queries by using a universe, classes enable you to find the objects that represent the information you want to use in a query.

Connection

A connection is a named set of parameters that defines how an SAP BusinessObjects application accesses data in a database file. A connection links Interactive Analysis to your middleware. You must have a connection to access data.

Join

A join enables you to combine two or more tables with a common domain into a single table.

Schema

A schema is a graphical representation of database structures. The schema contains tables and joins. The tables contain columns that map to objects that end users make use of to create reports. The joins link the tables so that correct data is returned for queries that are run on more than one table.

Creating an eFashion universe

This section describes how to create an eFashion universe.

An eFashion universe is a sample universe packaged with Interactive Analysis. This universe is built on Microsoft Access database. The `eFashion.mdb` and `eFashion.unv` files are available at the following location in your installation: `$INSTALLDIR\Business Objects\BusinessObjects Enterprise 12.0\Samples\webi`

This section discusses the following topics:

- *Creating a new eFashion connection*
- *Creating a new eFashion universe*
- *Inserting tables and creating a schema*
- *Creating classes and objects in a universe*

Creating a new eFashion connection

To create a new connection for eFashion universe, perform the following steps:

1. Select **Start** > **Programs** > **Interactive Analysis** > **Universe Designer**.
   The Universe Designer Personal session opens.
2. Select **Tools > Connections**.
   The "Wizard Connection" screen appears.
3. Click **Add**.
   The "Welcome to the New Connection Wizard" screen appears.
4. Click **Next**.
   The "Database Middleware Selection" screen appears. It lists the database and middleware that corresponds to your Data Access license key.

5. In the "Database Middleware Selection" screen, perform the following steps, and click **Next**:
   a. Select the connection type from the drop-down list.

      The following are the supported connection types:

      - Shared
      - Personal

   b. Type the connection name in the "Connection Name" field.
   c. Select a Microsoft Access driver for the connection.

   The "Login Parameters" screen appears.
6. In the "Login Parameters" screen, type the following information, and click **Next**:
   a. Select the authentication mode from the drop-down list.

      Note:
      The default option is **Use specified username and password**.

   b. Type the database user name in the "User name" field.
   c. Type the database password in the "Password" field.
   d. Ensure that you have created a data source name (DSN) for the eFashion database.

      For information about how to create a new DSN , see *Creating a DSN*.

      Note:
      The data source name is RDBMS dependent.

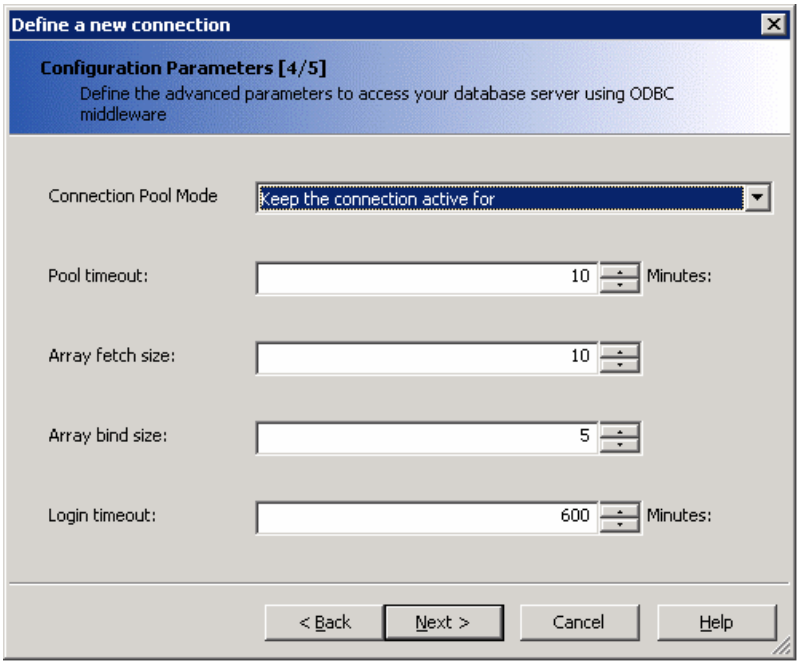
   e. Select the DSN from the drop-down list.

      Or

      Type the name of the data source that you want to access.

   f. Click **Test Connection** to test whether the server is responding.

   The "Configuration Parameters" screen appears. This screen defines the advanced parameters that enable you to access the database server by using the ODBC middleware. For information about advanced options, see the *Universe Designer Personal User's Guide*.



7. Select values for advanced connection parameters, and click **Next >**.

   Or

   Click **Next >**, if you want to retain the default values for the advanced parameters.

   The "Custom Parameters" screen appears.

8. Click **Finish**.

   The "Connections list" screen appears. The new connection is now included in the list.

9. Click **Finish** to close the connections list.

   The connection is now available to the universe.

Creating a DSN

To create a system DSN for the eFashion database, perform the following steps:

1. Select **Start** > **Settings** > **Control Panel**.
   The "Control Panel" folder appears.
2. Double-click **Administrative Tools**.
   The "Administrative Tools" folder appears.
3. Double-click **Data Sources (ODBC)**.
   The "ODBC Data Source Administrator" screen appears.
4. Click the **System DSN** tab.
5. Click **Add**.
   The "Create New Data Source" screen appears.
6. Select **Microsoft Access Driver (*.mdb)**, and click **Finish**.
   The "ODBC Microsoft Access Setup" screen appears.
7. In the "ODBC Microsoft Access Setup" screen, perform the following steps:
   a. Type the data source name in the **Data Source Name** field.
   b. Type the description in the **Description** field.
   c. In the **Database** field, click **Select**.
      The "Select Database" screen appears.
   d. Select the directory where `.mdb` file is located.
   e. Select the `.mdb` file, and click **OK**.
   f. Click **OK**.

   The DSN is added to the **System Data Sources** list.
8. Click **OK**.

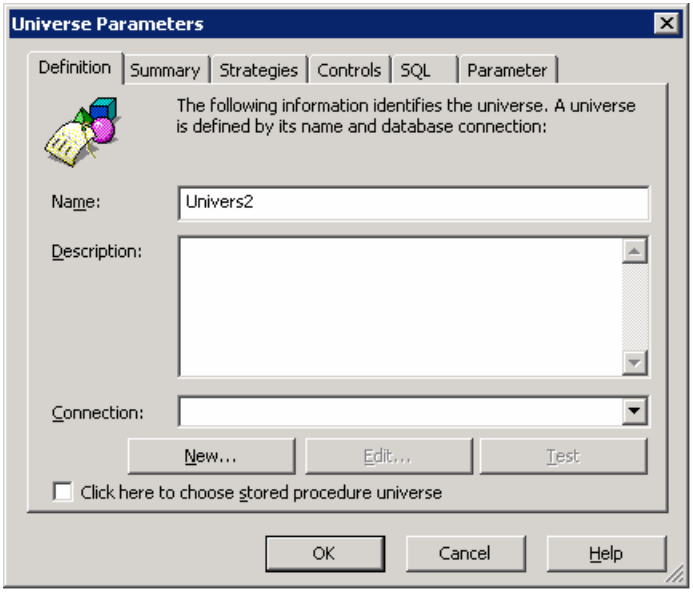
The system DSN is created and is available to create a connection.

Creating a new eFashion universe

To create a new eFashion universe by defining universe parameters, launch the Universe Designer and then perform the following steps:

1. Select **File** > **New**.

   The "Universe Parameter" dialog box appears.



2. In the **Definition** tab, perform the following steps:
   a. Type the name of the universe.
   b. Type the description of the universe.
   c. Select the eFashion connection from the **Connection** drop-down list.

      or

      Click **New**, if you want to create a new eFashion connection. For more information on creating a new eFashion connection, see *Creating a new eFashion connection*.

3. Click **Summary**.

   The "Summary" tab appears.

4. Type universe information in the **Comments** box.
5. Click **Strategies**.

   The "Strategies" tab appears. This tab displays the strategies available for your connected data source.
6. Select a strategy from each of the Objects, Joins, and Tables drop-down list boxes.

   Depending on the RDBMS for the connection, more than one strategy may be available in each drop-down list box.
7. Click **Controls**.

   The "Controls" tab appears. The Controls settings enable you to limit the size of the result set and the execution time of queries. Modify the default settings or clear the check boxes per your requirement.
8. Click **SQL**.

   The "SQL" tab appears. Select or clear the check boxes per your requirement.
9. Click **Parameters**.

   The "Parameters" tab appears.
10. Create properties by specifying the name and value, and click **Add**.

    The properties are added to the **Parameters** list.
11. Click **OK**.

    The universe and structure panes open in Universe Designer Personal.

After creating a universe, you must create a schema by inserting tables from the eFashion database and then create classes and objects.

Related Topics

• *Creating classes and objects in a universe*

Inserting tables and creating a schema

After creating an eFashion universe, you must create a schema that represents the tables, the fields in each table, and the relationship between fields and tables.

To insert tables into the designer and create a schema, perform the following steps:

1. Select **Insert** > **Tables**.
   The "Table Browser" screen appears.

   Note:
   The "Table Browser" is an independent screen that displays a tree view of the tables available in the target database.

2. Select the tables you require, and click **Insert**.
   The tables are inserted in the "Structure" pane.
3. Select **Tools** > **Automated Detection** > **Detect Joins**.
   The "Candidate Joins" screen appears. This screen displays the list of joins that are detected according to the join strategy.
4. Select the joins, and click **Insert**.
   The automatic join detection strategy detects joins based on matching column names. You can select the join strategy you want to apply when you use automatic join detection.

The schema is created and you can now create classes and objects based on the schema.

Creating classes and objects in a universe

To create a class and an object, perform the following steps:

1. Select **Insert** > **Class**.
   The "Edit properties of class" screen appears.
2. Type the name in the **Class Name** field.
   For example, Time Period.
3. Type the description for the class in the **Description** field, and click **OK**.
   For example, Time Hierarchy.
   The named class folder appears in the Universe pane.
4. Right-click the class in the Universe pane, and select **Object** from the contextual menu.

An object is inserted under the selected class, and the "Edit Properties of Object" screen appears.

5. Type a name for the object in the **Name** field.

   For example, Year. Ensure that object names are always expressed in the end user business vocabulary. This name may be different from the actual column names with which the object is associated within the database schema.

6. Select the type of object from the **Type** drop-down list.

   For example, Character.

7. Type the SELECT statement in the Select field, or click the >> button to use the SQL editor.

   If you click the **>>** button, the "Edit Select Statement of Object" screen appears.

8. In the Tables and Columns field, double-click the field you want the object to represent.

   For example, Year (Yr).

   The object SQL appears in the text field.

9. Click **Parse** to parse the SQL statement.

   The "Parsing Result" screen appears with the parsed result. If the SELECT statement is valid, then the following message appears: `Parsing is OK`. If the SELECT statement is invalid, then a message with a valid reason appears.

10. Click **OK**.

    The "Parsing Result" screen closes.

11. Click **OK**.

    The "Edit Select Statement of Object" screen closes.

The class and the object are created. Similarly, you can create as many classes and objects per your requirement. Ensure that you save your universe before you end the designer session to avoid any data loss.

Saving a universe

To save a universe, perform the following steps:

1. Click **File > Save**.

The "Save As" screen appears.

2. Type a name for the universe file.
3. Select the **Save for all users** option, if you want to make the universe accessible to all Designer users.
4. Click **Save**.

   The universe is saved in the default location. The default location is `C:\Documents and Settings\Administrator\Application Data\Business Objects\Business Objects 12.0\Universes`.

Deployment Considerations for OEM Partners

The Interactive Analysis client is a repackaging of the recently released Web Intelligence Rich Client (WRC). Interactive Analysis is distributed, by OEM partners wishing to distribute the full feature-rich ad hoc capabilities of the Web Intelligence Rich Client without the packaging of the other 3rd party tools that ship on the client CD today. In this context, Interactive Analysis can be deployed by an OEM partner in two ways:

Interactive Analysis only deployment

The Interactive Analysis client can be distributed as a standalone tool with a prepackaging of universes (.unv) and Web Intelligence documents (.wid). In this scenario, the OEM partner will ship the Interactive Analysis client for installation using the GUI or command line, to be unpackaged at the customer site with the universes and Web Intelligence documents included in the predefined location for this content. This deployment scenario assumes that all connection information is appropriate for the end-customer, coming from the OEM partner. In this scenario, the connections to the operational data sources cannot be changed, as there is no means to do so in the Interactive Analysis client.

Interactive Analysis plus Designer

The Interactive Analysis client can be distributed by the OEM partner in conjunction with just the Universe Designer Personal application included. Similar to scenario 1, universes and documents can be included. However, in this deployment, the end-customer will be allowed to open any prepackaged universe (.unv) files shipped by the OEM to do the following:

- Overriding or changing the connection information within the universe to accommodate any site-specific configuration settings, such as change of hostname, database name, etc. that would vary from site to site.
- Modification or creation of distributed universe files for the purpose of adding or removing additional database content (new tables, fields, calculations, and so on).

The Interactive Analysis client can be installed manually by the end-user using the GUI installer or by invoking the command-line install within the OEM Partner's installation routine.

More Information

Information Resource	Location
SAP BusinessObjects product information	*http://www.sap.com*
SAP Help Portal	Select *http://help.sap.com* > SAP BusinessObjects. You can access the most up-to-date documentation covering all SAP BusinessObjects products and their deployment at the SAP Help Portal. You can download PDF versions or installable HTML libraries. Certain guides are stored on the SAP Service Marketplace and are not available from the SAP Help Portal. These guides are listed on the Help Portal accompanied by a link to the SAP Service Marketplace. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.

Information Resource	Location
SAP Service Marketplace	*http://service.sap.com/bosap-support* > Documentation • Installation guides: *https://service.sap.com/bosap-instguides* • Release notes: *http://service.sap.com/releasenotes* The SAP Service Marketplace stores certain installation guides, upgrade and migration guides, deployment guides, release notes and Supported Platforms documents. Customers with a maintenance agreement have an authorized user ID to access this site. Contact your customer support representative to obtain an ID. If you are redirected to the SAP Service Marketplace from the SAP Help Portal, use the menu in the navigation pane on the left to locate the category containing the documentation you want to access.
Developer resources	*https://boc.sdn.sap.com/* *https://www.sdn.sap.com/irj/sdn/businessobjects-sdklibrary*
SAP BusinessObjects articles on the SAP Community Network	*https://www.sdn.sap.com/irj/boc/businessobjects-articles* These articles were formerly known as technical papers.
Notes	*https://service.sap.com/notes* These notes were formerly known as Knowledge Base articles.
Forums on the SAP Community Network	*https://www.sdn.sap.com/irj/scn/forums*

Information Resource	Location
Training	*http://www.sap.com/services/education* From traditional classroom learning to targeted e-learning seminars, we can offer a training package to suit your learning needs and preferred learning style.
Online customer support	*http://service.sap.com/bosap-support* The SAP Support Portal contains information about Customer Support programs and services. It also has links to a wide range of technical information and downloads. Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.
Consulting	*http://www.sap.com/services/bysubject/businessobjectsconsulting* Consultants can accompany you from the initial analysis stage to the delivery of your deployment project. Expertise is available in topics such as relational and multidimensional databases, connectivity, database design tools, and customized embedding technology.

Index

Index