



# Simba XMLA Provider for Oracle OLAP 2.0

## User Guide

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# Introduction

This document describes how to use the Simba XMLA Provider for Oracle OLAP 2.0 with the following analysis tools:

- SAP BusinessObjects Analysis, edition for OLAP
- IBM Cognos Analysis Studio
- SimbaO2X

## SAP BusinessObjects Analysis, edition for OLAP

This section explains how to use SAP BusinessObjects Analysis, edition for OLAP with the Simba XMLA Provider for Oracle OLAP 2.0.

Prerequisite: Install the Simba XMLA Provider for Oracle OLAP 2.0 as described in the administration guide.

**Note:** Only SAP BusinessObjects Analysis, version 4 and later is supported. If you are using version 3 and earlier, refer to the document, "Enabling the Simba MDX Provider for Oracle OLAP in SAP BusinessObjects Voyager XI 3.0 and XI 3.1" at

<http://www.simba.com/docs/Using-Simba-MDX-Provider-for-Oracle-OLAP-with-SAP-BusinessObjects-Voyager.pdf>

## Create a new OLAP data source connection

To create a new OLAP data source connection to the Simba XMLA Provider for Oracle OLAP 2.0, do the following:

1. To start the Central Management Console, click **Start > Programs > SAP BusinessObjects Business Intelligence platform 4.0 > SAP BusinessObjects Business Intelligence platform > Central Management Console**.
2. Log on to the Central Management Console.
3. In the Organize area of the CMC, click **OLAP Connections**.
4. Click the **New connection** button.
5. In the Name field, type a name for your connection. For example, this might be something like `My Simba XMLA Provider`.
6. In the Provider list, click **'SAP BusinessObjects Profitability and Cost Management 7.5'**.
7. In the Server Information section, in the Server field, type the web service URL (using the full machine IP address) of the server where the Simba XMLA Provider for Oracle OLAP 2.0 is installed. For example, it might look something like this: `http://<IP>:8080/XmlaWebService/`.  
**Note:** The final slash is required.
8. Click **Connect** to connect to the server to choose a cube.
9. In the 'Log on to the data source' window, type the user name and password for your Oracle database.

**Note:** You must enter at least one character in each field because the window will not let you leave either field blank. This is the case even if your database does not require a password.

- If you get the error "Failed to get connections for connection..." then your JBoss server may not be configured to accept connections from remote servers. Refer to the Simba XMLA provider administration guide for more information.
- If you get the error "Failed to browse connections using resource [{0}]: a RuntimeException occurred..." then verify that you have typed the correct username and password for your database.

10. In the Cube Browser window, select a cube and then click **Select**.

11. In the list of authentication types, select Prompt.

12. Click **Save**.

Your connection will appear in the list of OLAP connections.

For detailed instructions about how to create OLAP data source connections, refer to the "SAP BusinessObjects Analysis, edition for OLAP Administrator Guide" at:

[http://help.sap.com/businessobject/product\\_guides/boexir4/en/xi4\\_aa\\_admin\\_en.pdf](http://help.sap.com/businessobject/product_guides/boexir4/en/xi4_aa_admin_en.pdf)

## Connect to a Simba XMLA Provider for Oracle OLAP 2.0 data source

A data source is a repository object that is created by your system administrator. It contains the information that is required for SAP BusinessObjects Analysis, edition for OLAP to connect to an OLAP server. These instructions assume that your administrator has created a data source object for the Simba XMLA Provider for Oracle OLAP 2.0 OLAP data provider. When this is done, then you will have this data source available to add to your workspace.

To add a data source to your workspace:

1. Open the BI launch pad in a web browser. For example, the URL might be something like this:  
`http://<IP>:8080/boe/bi/.`
2. Click **Analysis edition for OLAP**.
3. Open the Data panel and click the **Connect to a data source** button.
4. In the Open Data Source window, select your data source and then click **OK**.
5. In the Logon window, type your user name and password and then click **OK**. These are the same login credentials that you use to login to your database.  
If authentication fails, you may not have entered your credentials correctly, your credentials may not be set up properly in the Central Management Console, or the OLAP server may be offline.

You will see the data source in the list at the top of the Data panel and the metadata explorer displays the data objects (metadata) contained in the data source. If the webpage is not displayed properly, use a different web browser.

For detailed instructions on how to connect to data sources with Analysis, refer to the "SAP BusinessObjects Analysis, edition for OLAP User Guide" at:

[http://help.sap.com/businessobject/product\\_guides/boexir4/en/xi4sp2\\_aa\\_user\\_en.pdf](http://help.sap.com/businessobject/product_guides/boexir4/en/xi4sp2_aa_user_en.pdf)

# IBM Cognos Analysis Studio

This section explains how to use IBM Cognos Analysis Studio with the Simba XMLA Provider for Oracle OLAP 2.0.

Prerequisite: Install the Simba XMLA Provider for Oracle OLAP 2.0 as described in the administration guide.

## Create a new OLAP data source connection

To create a new OLAP data source connection to the Simba XMLA Provider for Oracle OLAP 2.0, do the following:

1. Open a web browser and go to your IBM Cognos Administration page. For example, the URL might look something like this: `http://<IP>/ibmcognos/`.
2. Click **Administer IBM Cognos content**.
3. Click the **Configuration** tab.
4. Click **Data Source Connections**.
5. Click the **New Data Source** icon at the top right of the page. It looks like a database. The "Specify a name and description - New Data Source wizard" page is displayed.
6. In the Name field, type a name for your connection. For example, this might be something like `My Simba XMLA Provider`.
7. Optionally, type a description and a screen tip.
8. Click **Next**. The "Specify the connection - New Data Source wizard" page is displayed.
9. In the Type list, select **IBM InfoSphere Warehouse cubing services (XMLA)**.
10. Leave the Isolation level set to the default.
11. Click **Next**. The "Specify the IBM InfoSphere Warehouse cubing services (XMLA) connection string - New Data Source wizard" page is displayed.
12. In the Server URL field, type the web service URL (using the full machine IP address) of the server where the Simba XMLA Provider for Oracle OLAP 2.0 is installed. For example, it might look something like this: `http://<IP>:8080/XmlaWebService/`.  
**Note:** The final slash is required.
13. Optionally, enter information in the "Signon" section.
14. Click the **Test the connection** link. The "Test the connection - New Data Source wizard" page opens and it shows the connection string that will be used.
15. Click **Test**.  
If the connection is successful then you will see a status message that says that the connection has succeeded.  
If the connection fails, a message will be displayed to explain the problem. If the connection fails, verify the following:

- Make sure your JBoss server is running.
- If you are trying to connect from a remote server, make sure your JBoss server has been configured to accept connections from remote servers.

**Note:** Refer to the Simba XMLA provider administration guide for information about how to configure the Simba XMLA provider.

16. Click **Close** to close the results page and then click **Close** again.
17. Click **Finish**.
18. Your new connection will appear in the list of connections. You may need to click the Next Page button at the top right corner of the page to see the page where your connection appears.

For detailed instructions on how to administer your content, refer to the IBM Cognos Business Intelligence information center at <http://pic.dhe.ibm.com/infocenter/cbi/v10r1m0/index.jsp>.

## Publish the cube

1. Log onto the Cognos server.
2. From the Windows Start menu, launch the **IBM Cognos 10 Framework Manager**.
3. Click **Create a new project**.  
The "New Project" window opens.
4. In the Project name field, type a project name. In the Location field, specify a folder for the project. Click **OK**.  
The "Select Language" page is displayed.
5. Select a language from the list of design languages for the project and then click **OK**.  
The "Metadata Wizard – Select Metadata Source" page is displayed.
6. In the list of metadata sources, select **Data Sources** and then click **Next**.  
The "Metadata Wizard – Select Data Source" page is displayed.
7. Select the XMLA data source you created earlier and then click **Next**.  
The "Metadata Wizard – Select Cube" page is displayed and a list of cubes is displayed.
8. Select a cube and then click **Next**.  
The "Metadata Wizard – Finish" page is displayed.
9. Make sure that the "Create a default package" checkbox is selected and then click **Finish**.  
The "Create Package – Provide Name" page is displayed.
10. In the Name field, type a package name. Optionally, enter a description and a screen and then click **Finish**.
11. Click **Yes** when you see the message that says, "You have successfully created your package. Would you like to open the Publish Package wizard?"  
The "Publish Wizard – Select Location Type" page is displayed.
12. Select **IBM Cognos 10 Content Store** and then click **Next**.  
The "Publish Wizard – Add Security" page is displayed.
13. Optionally, specify access permissions for the package to configure the groups and roles that will be able to use the package to create reports.

14. Click **Next**.  
The "Publish Wizard – Options" page is displayed.
15. Make sure that the "Verify the package before publishing" checkbox is selected and then click **Publish**.  
The "Create Package – Finish" page is displayed. The package is now available for use in Cognos applications such as IBM Cognos Analysis Studio.
16. Select **Exit this wizard** and then click **Finish**.

## Using the cube in IBM Cognos Analysis Studio

A data source is a repository object that is created by your system administrator. It contains the information that is required for IBM Cognos Analysis Studio to connect to an OLAP server. These instructions assume that your administrator has created a data source object for the Simba XMLA Provider for Oracle OLAP 2.0 OLAP data provider. When this is done, then you will have this data source available to add to your workspace.

To add a data source to your workspace:

1. Open a web browser and go to your IBM Cognos Administration page. For example, the URL might look something like this: `http://<IP>/ibmcognos/`.
2. Click **Analyze my business**.  
If the page does not display this link, try using a different web browser.
3. In the Select a package (Navigate) window, select a package to use. You may need to navigate through the list of packages with the Next Page arrow button at the top right of the list.
4. Select **Blank Analysis**.
5. Click **OK**.  
IBM Cognos Analysis Studio opens and your cube is displayed in the list of insertable objects.

For detailed instructions on how to use IBM Cognos Analysis Studio, refer to the IBM Cognos Business Intelligence information center at <http://pic.dhe.ibm.com/infocenter/cbi/v10r1m0/index.jsp>.



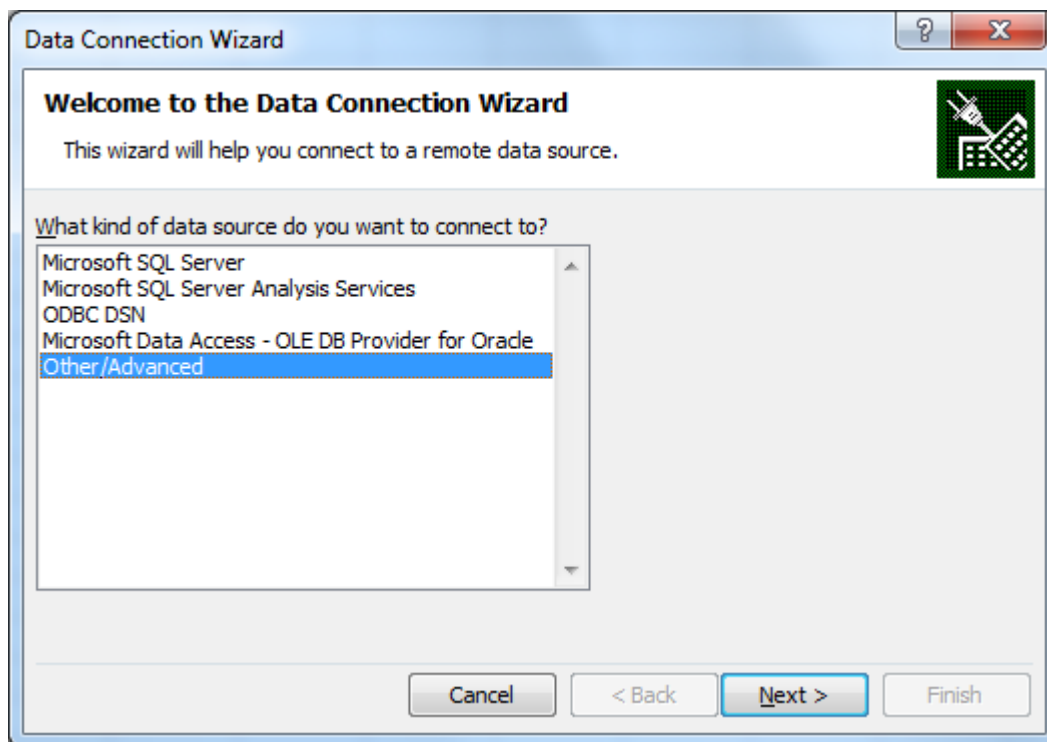
# SimbaO2X

This section explains how to use SimbaO2X with the Simba XMLA Provider for Oracle OLAP 2.0.

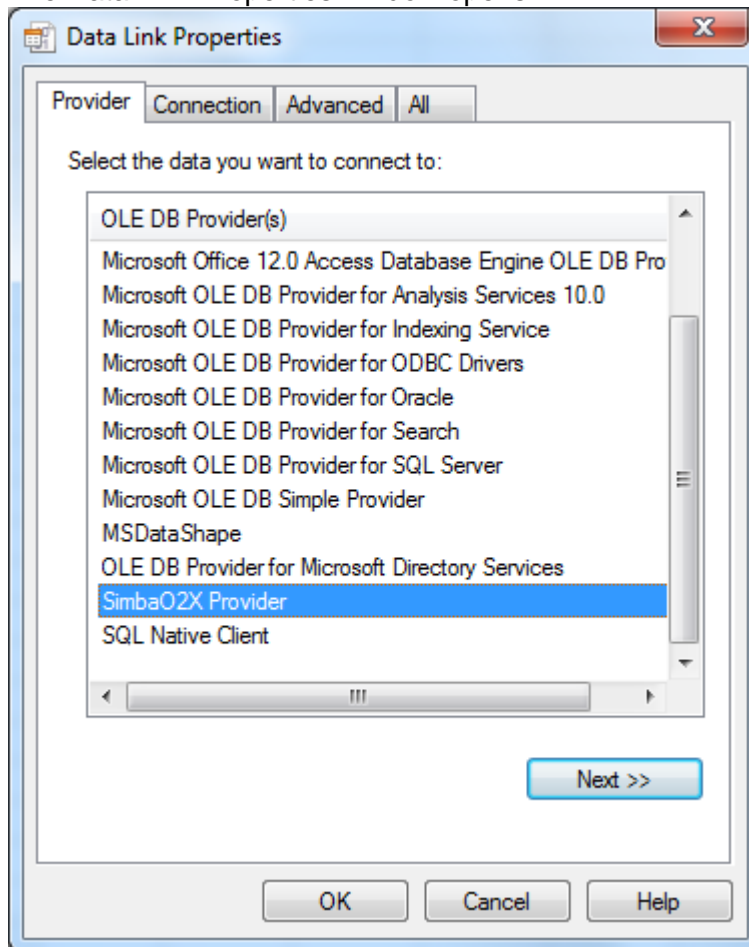
Prerequisite: Install the Simba XMLA Provider for Oracle OLAP 2.0 as described in the administration guide.

SimbaO2X is an OLE DB for OLAP (ODBO) to XML for Analysis (XMLA) Driver that allows you to connect client applications, such as Microsoft Excel, via ODBO and to XMLA providers such as Microsoft Analysis Services, SAP BW, and many more. For more information and documentation about SimbaO2X, refer to <http://www.simba.com/odbo-to-xmla.htm>.

1. Install SimbaO2X.  
**Note:** The bitness of the version that you install must match the bitness of the version of Excel that you are using. For example, if you are using 32-bit Excel, then you should install SimbaO2X\_x86\_4.5.0.4.exe.
2. Open Excel.
3. Click **Data > From Other Sources > From Data Connection Wizard**.  
The Data Connection Wizard opens.



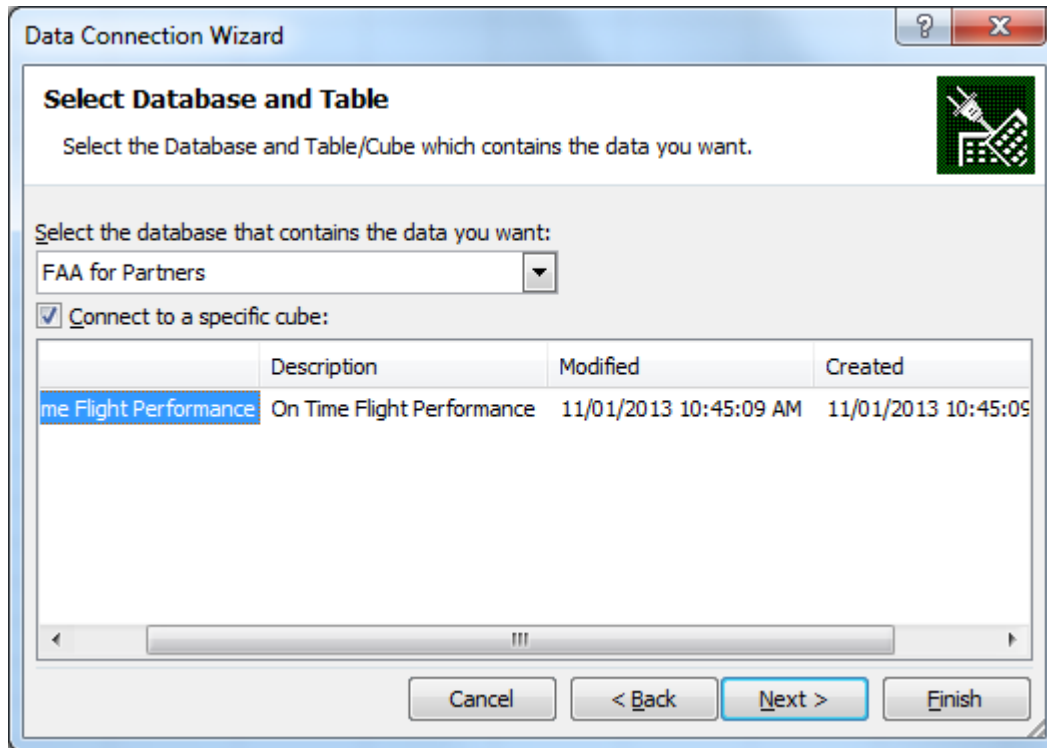
4. Select **Other/Advanced** and then click **Next**.  
The Data Link Properties window opens.



5. Select SimbaO2X Provider from the list and then click **Next**.
6. Type the XMLA web service URL. For example, it might look something like this:  
`http://<IP>:8080/XmlaWebService/.`  
**Note:** The final slash is required.
7. Type the username and password.
8. Select the "Allow saving password" checkbox.
9. Leave the "Enter the initial catalog to use" field empty.
10. Click **Test Connection**.  
If the connection is successful, you will see a message that says you have successfully connected to your server.
11. Click **OK** to close the Test Connection window.

12. Click **OK**.

A Data Connection Wizard: Select Database and Table window is displayed.



13. Select the database that contains the data you want.

14. Select the "Connect to a specific cube" checkbox.

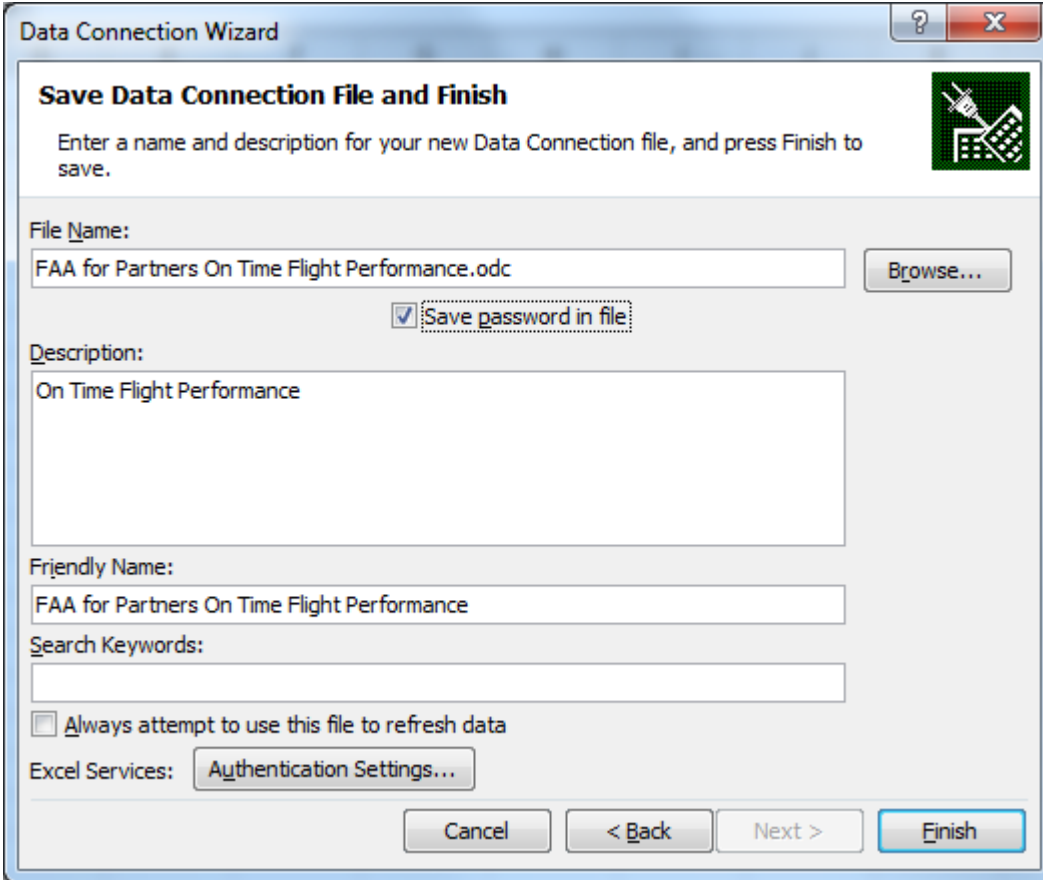
15. Select a cube.

16. Click **Next**. (Do **not** click Finish).

The "Save Data Connection File and Finish" page is displayed.

17. Type a file name.

18. Make sure that "Save password in file" checkbox is selected.



The screenshot shows the 'Data Connection Wizard' dialog box, specifically the 'Save Data Connection File and Finish' step. The window title is 'Data Connection Wizard'. The main heading is 'Save Data Connection File and Finish'. Below the heading, there is a green icon of a plug and a grid. The text reads: 'Enter a name and description for your new Data Connection file, and press Finish to save.' The 'File Name:' field contains 'FAA for Partners On Time Flight Performance.odc' and has a 'Browse...' button to its right. Below the file name field is a checked checkbox labeled 'Save password in file'. The 'Description:' field contains 'On Time Flight Performance'. The 'Friendly Name:' field contains 'FAA for Partners On Time Flight Performance'. The 'Search Keywords:' field is empty. There is an unchecked checkbox labeled 'Always attempt to use this file to refresh data'. The 'Excel Services:' section has a button labeled 'Authentication Settings...'. At the bottom, there are four buttons: 'Cancel', '< Back', 'Next >', and 'Finish'.

19. Fill out the rest of the fields and then click **Finish**.

The "Import Data" window is displayed. Your data connection has been successfully created.

If you get an authorization error, make sure you "Allow saving password" and "Save password in file" options were selected. If there are any other errors, refer to the Simba XMLA Provider Administration Guide for troubleshooting information.