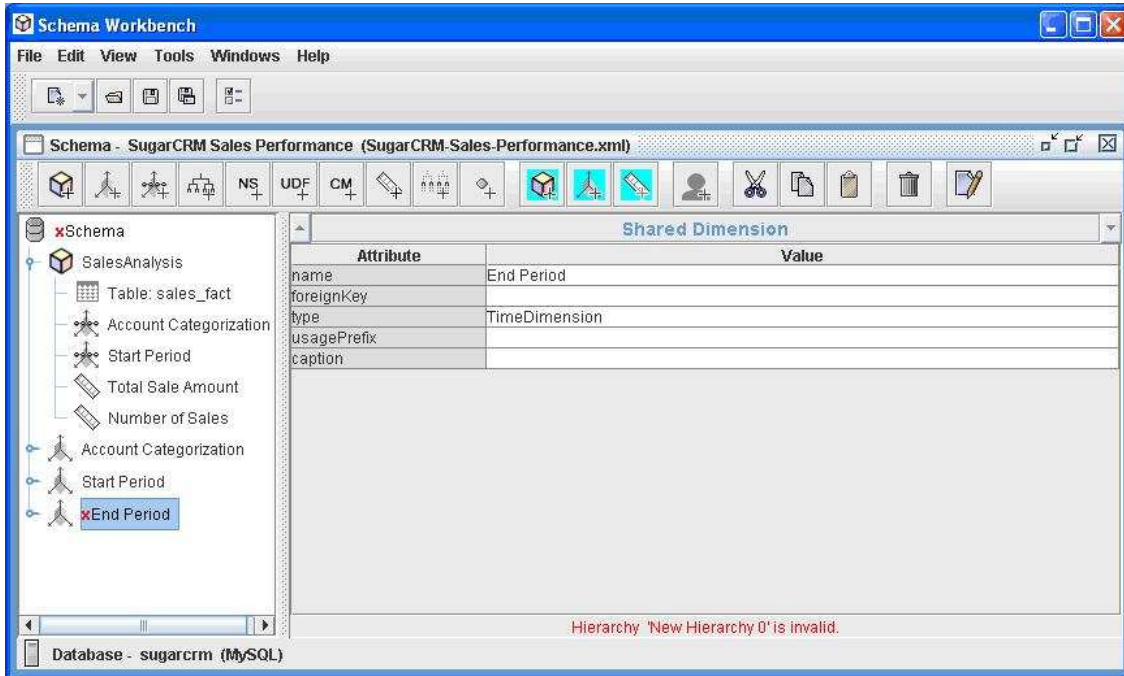


Mondrian Schema Workbench

The Mondrian Schema Workbench allows you to visually create and test Mondrian OLAP cube schemas.



It provides the following functionality:

- Schema editor integrated with the underlying data source for validation. (See above)
- Test MDX queries against schema and database
- Browse underlying databases structure

See the Mondrian technical guide to understand schemas.

Once you have the schema file, you can upload this into JasperAnalysis. See the JasperAnalysis user guide on how to create OLAP Analysis Views based on the schemas you create with the Workbench.

Using the Workbench

Unzip the Workbench into a directory.

Run the Workbench by running "workbench.bat" where you installed.

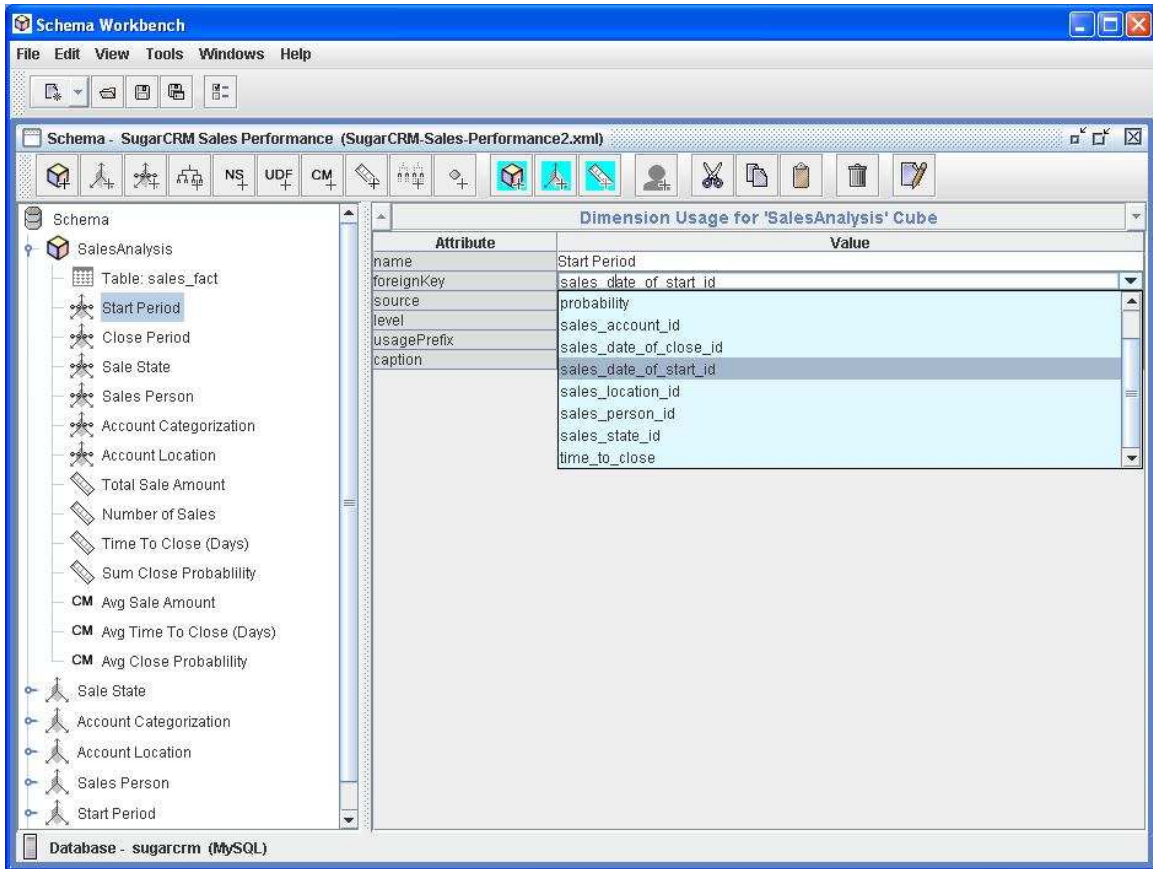
Set properties for connection to your cube database via `Tools > Preferences`.



The screenshot shows a Windows-style dialog box titled "Workbench Preferences" with a blue title bar and a red close button in the top right corner. The "JDBC" tab is selected and highlighted. Inside the dialog, there are four labeled text input fields: "Driver Class Name" containing "com.mysql.jdbc.Driver", "Connection URL" containing "jdbc:mysql://localhost:3307/sugarcrm?user=root&password=mypassword", "User name" which is empty, and "Password" which is empty. At the bottom right of the dialog are two buttons: "Cancel" and "Accept".

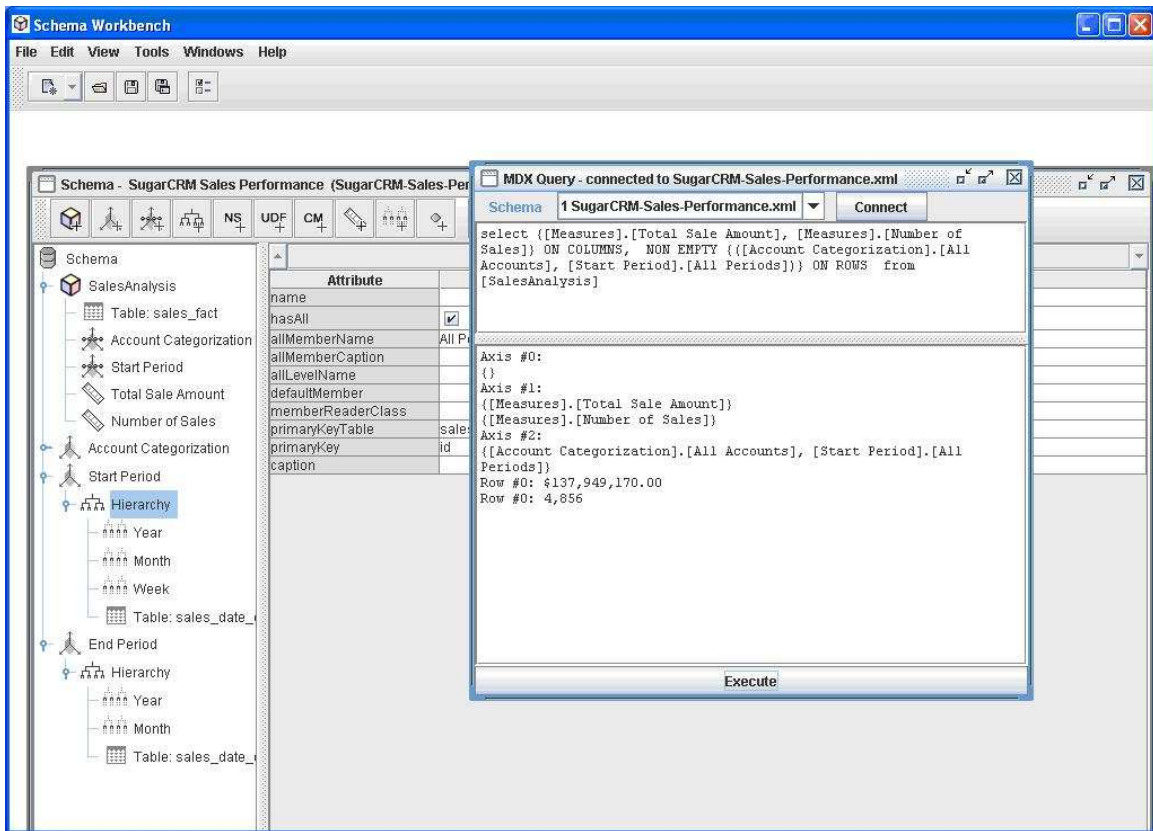
If you change the connection properties, you will need to close/save the existing schema editor(s) and restart to see the effects.

Create or edit elements in the schema. The Workbench validates your changes against the cube database tables and column names.

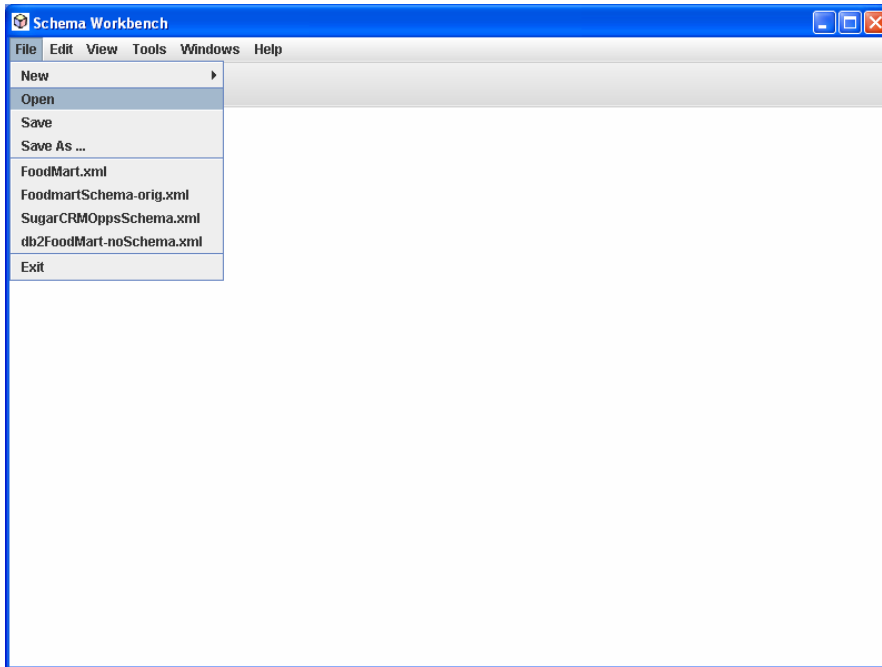


The Workbench validates edits against the Mondrian schema DTD.

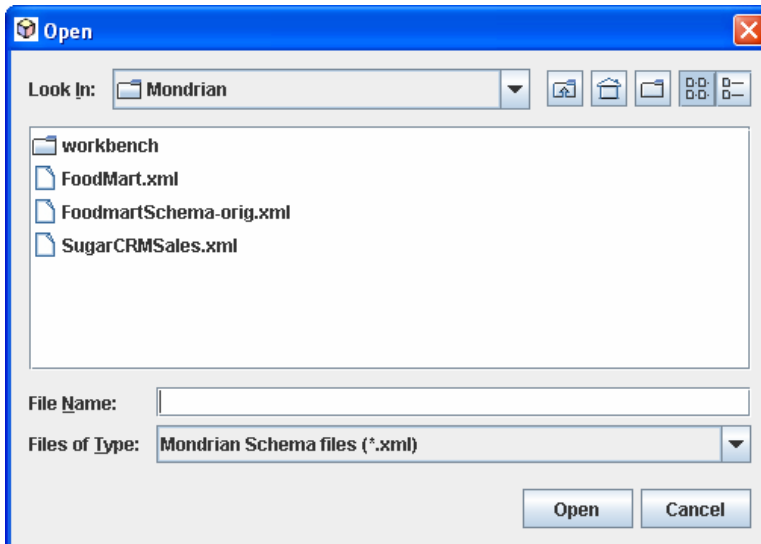
Save your schema and run some MDX queries to test. Error messages or results are displayed.



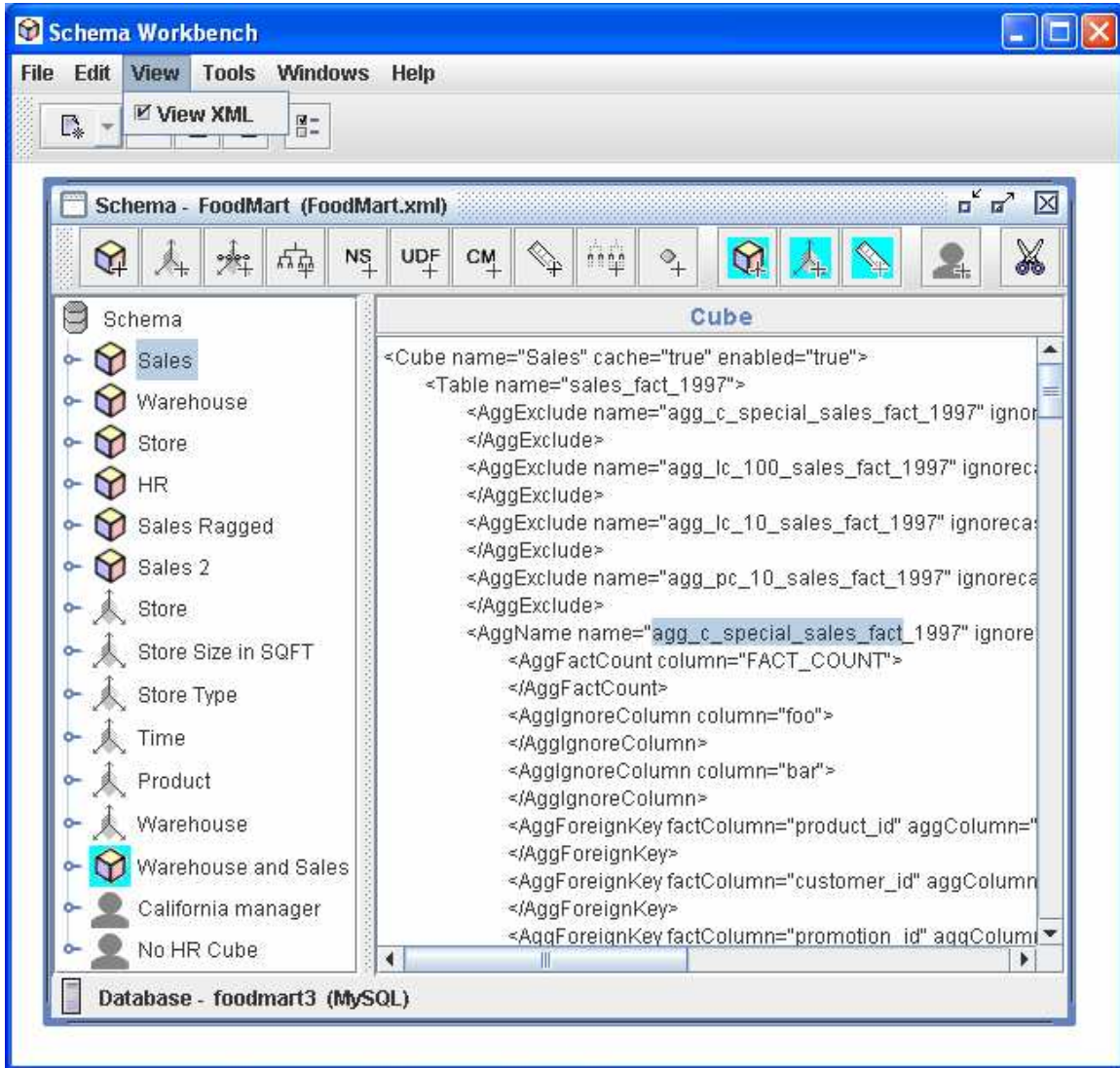
You can reopen an existing schema file. The schema will be validated as it is opened and errors indicated.



The previous 4 schemas you have saved are displayed to select easily. The directory the schemas were in is tracked behind the scenes.



If you want to see the underlying XML that makes up the schema you are editing, select: View > XML. The display will show the XML making up the element you have selected in the tree, including all sub elements. You can toggle this XML view on and off. You cannot edit the XML directly.



Configuring the Workbench

A variety of configuration files are kept under your user home directory in the ".schemaWorkbench" directory.

workbench.properties

The cube database preferences and the last 4 schema files that have been edited.

log4j.xml

Execution log file settings. Can be used to debug parsing and MDX. By default the log file is in "user home"/.schemaWorkbench/workbench.log.

mondrian.properties

Configuration of Mondrian run time properties used when the Workbench is running. Details of the effect of these settings are in the Mondrian technical guide.

If you are using a database which requires a JDBC driver that is not already installed, you will need to add the JDBC driver class name into the mondrian.jdbcDrivers property in mondrian.properties, and put the JDBC JAR files into the drivers directory.