Use SQuirreL with Apache Kylin

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Intro

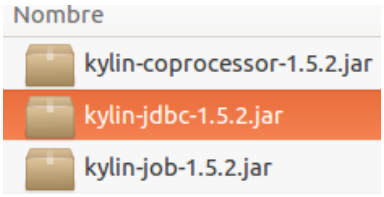
SquirreL SQL is a multi platform Universal SQL Client (GNU License)
You can use it to access HBase + Phoenix and Hive

Used Software

- Kylin v1.5.2
- SquirreL SQL v3.7.1

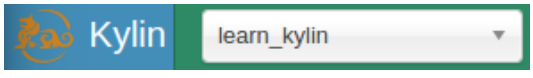
Pre-requisites

- We need to find the JAR Class for the JDBC Connector
  From Kylin Download, Choose **Binary** and the **correct version of Kylin and HBase**
  Download & Unpack: in ./lib:



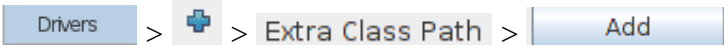
- We need an instance of Kylin, with a cube: Quick Start with Sample Cube, will be enough

  You can check:



- Dowload and install SquirreL, you will need Java

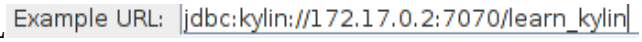
Add Kylin Driver

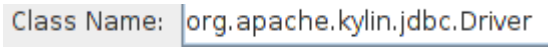
On left menu: 

And locale your JAR: 

Configure this parameters:

- Put a name: 

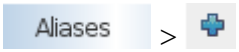
- Example URL 

  jdbc:kylin://172.17.0.2:7070/learn_kylin
- Put Class Name: 

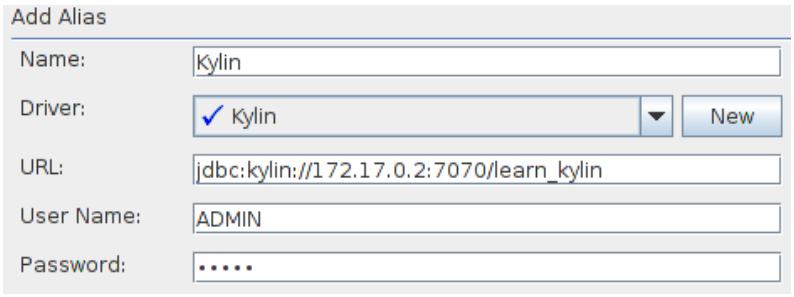
  TIP: If auto complete not work, type you: *org.apache.kylin.jdbc.Driver*

Check in your Driver List: 

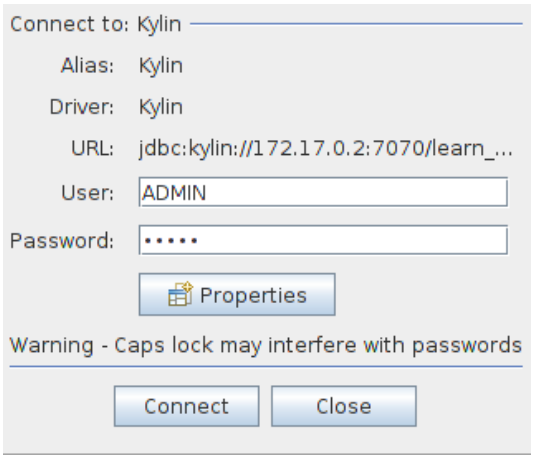
Add Aliases

On left menu: 

> : (Login pass by default: ADMIN / KYLIN)

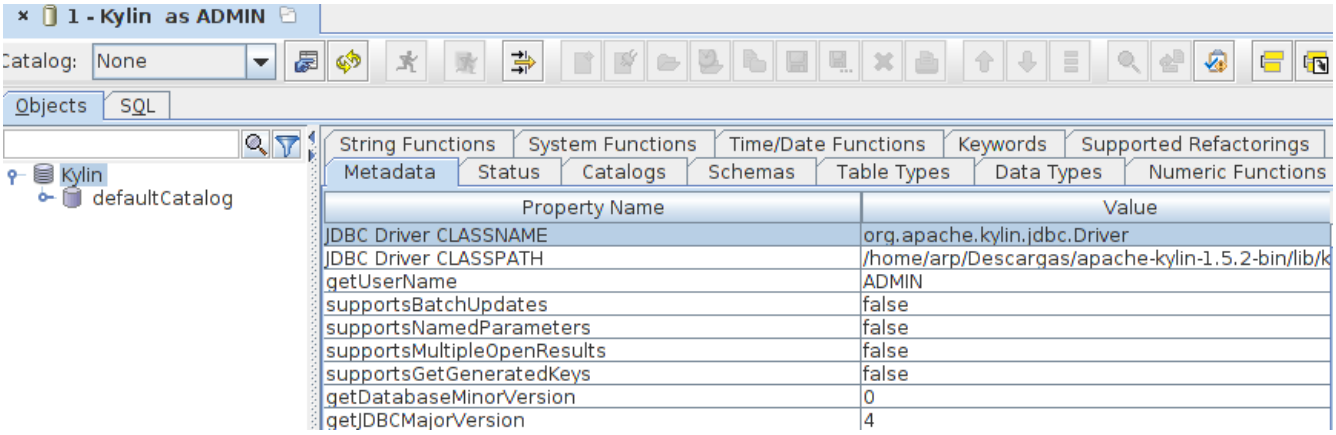


And automatically launch conection:

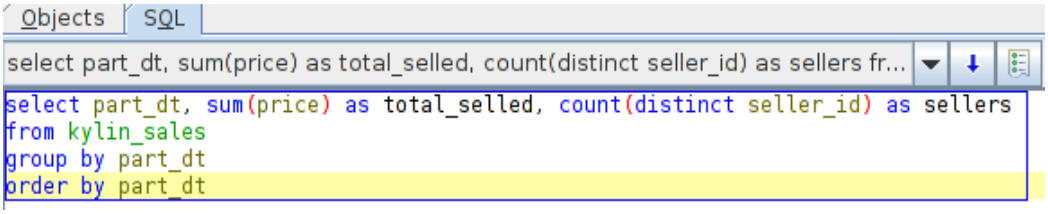


Connect and Execute

The startup window when you are connect:

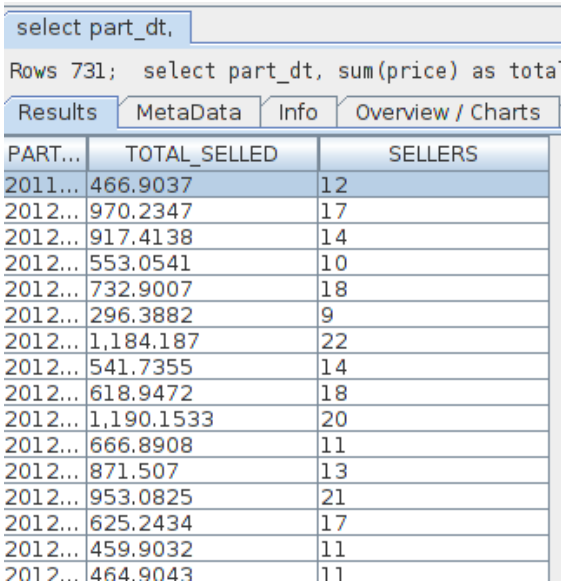


Choose Tab: and write your querie (whe use Kylin's example cube):



select part_dt, sum(price) as total_selled, count(distinct seller_id) as sellers from kylin_sales group by part_dt order by part_dt

Execute With: 



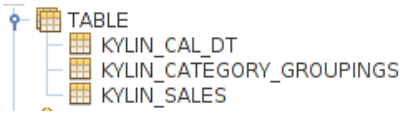
And it's works, OK 

Extra: Some tips:

SquirreL isn’t the most stable SQL Client, but its very flexible and get you a lot of info

I use it for PoC and try to solve / check connectivity problems

List of Tables:



List of Columns of table:

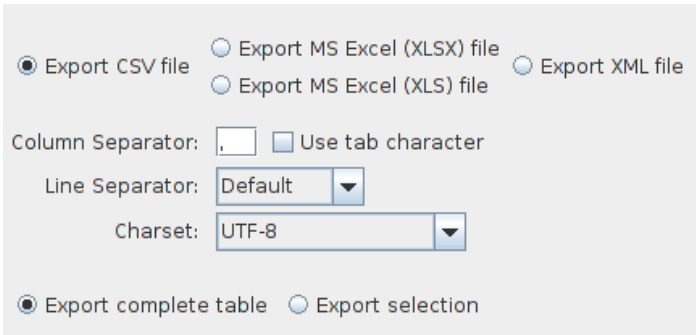
COLUMN_NAME	TYPE_N...	IS_NULLA...
USER_DEFINED_FIELD1	VARCH...	YES
USER_DEFINED_FIELD3	VARCH...	YES
UPD_DATE	VARCH...	YES
UPD_USER	VARCH...	YES
LEAF_CATEG_ID	BIGINT	YES
SITE_ID	INTEGER	YES
META_CATEG_NAME	VARCH...	YES
CATEG_LVL2_NAME	VARCH...	YES
CATEG_LVL3_NAME	VARCH...	YES

List of column of Querie:

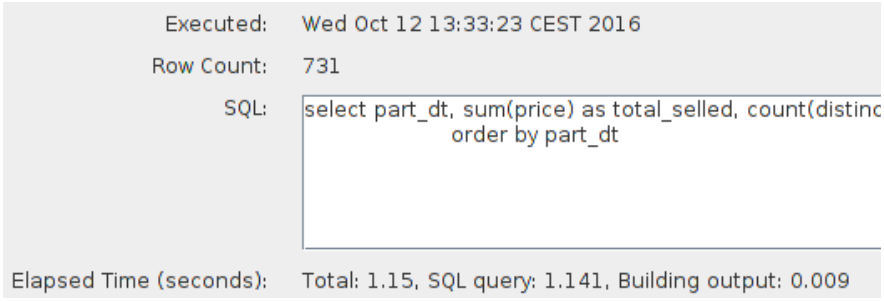
Results | MetaData | Info | Overview / Charts | Rotated ta

ColumnIndex	getColumnName	getColumnTypeName
1	PART_DT	DATE
2	TOTAL_SELLED	DECIMAL
3	SELLERS	BIGINT

Export the result of queries:



Info about time query execution:



For any suggestions, feel free to contact me

Thanks, Alberto