

# 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](#)

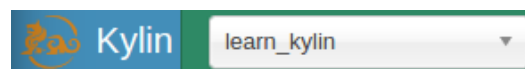
## Pre-requisites

- 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:

Nombre	
	kylin-coprocessor-1.5.2.jar
	kylin-jdbc-1.5.2.jar
	kylin-job-1.5.2.jar


- We need an instance of Kylin, with a cube: [Quick Start with Sample Cube](#), will be enough

You can check:



- [Download and install Squirrel](#), you will need Java

## Add Kylin Driver

On left menu: Drivers >  > Extra Class Path > Add

And locale your JAR: File Name: kylin-jdbc-1.5.2.jar

Configure this parameters:

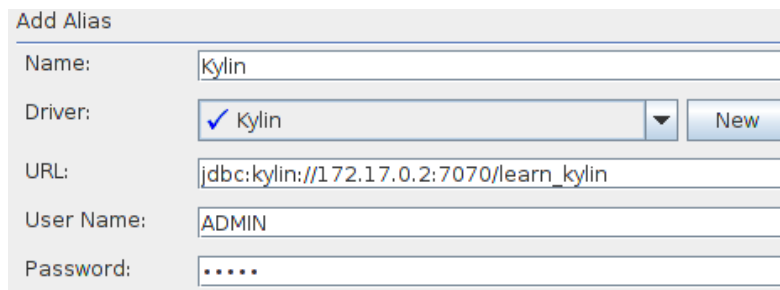
- Put a name: Name: Kylin
- Example URL Example URL: jdbc:kylin://172.17.0.2:7070/learn\_kylin  
*jdbc:kylin://172.17.0.2:7070/learn\_kylin*
- Put Class Name: Class Name: org.apache.kylin.jdbc.Driver

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


Check in your Driver List:  Kylin

## Add Aliases

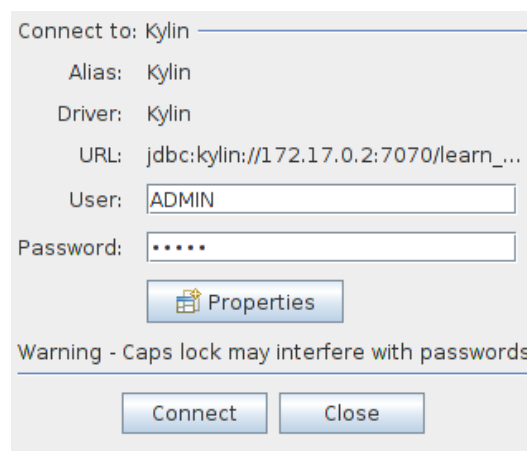
On left menu: Aliases >  : (Login pass by default: ADMIN / KYLIN)




The 'Add Alias' dialog box contains the following fields and controls:

- Name:
- Driver: ✓ Kylin  New
- URL:
- User Name:
- Password:

And automatically launch conection:

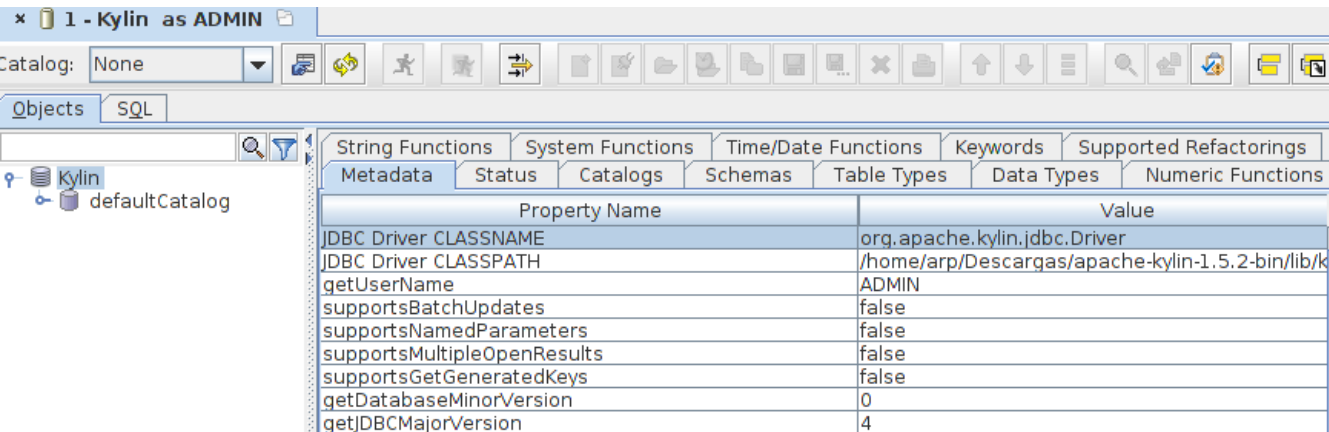


The 'Connect to: Kylin' dialog box displays the configuration and provides connection controls:

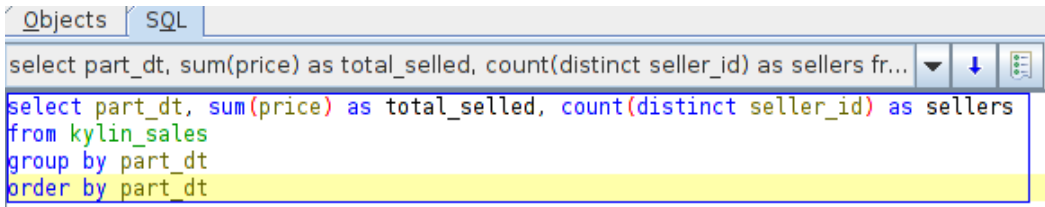
- Alias: Kylin
- Driver: Kylin
- URL: jdbc:kylin://172.17.0.2:7070/learn\_...
- User:
- Password:
-  Properties
- Warning - Caps lock may interfere with passwords
- Connect Close

# 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\_sold, count(distinct seller\_id) as sellers from kylin\_sales group by part\_dt  
order by part\_dt*

Execute With: 

The screenshot shows the results of the query execution. The window title is 'select part\_dt,'. The status bar indicates 'Rows 731; select part\_dt, sum(price) as tota'. The 'Results' tab is selected, showing a table with three columns: 'PART...', 'TOTAL\_SOLD', and 'SELLERS'.

PART...	TOTAL_SOLD	SELLERS
2011...	466.9037	12
2012...	970.2347	17
2012...	917.4138	14
2012...	553.0541	10
2012...	732.9007	18
2012...	296.3882	9
2012...	1,184.187	22
2012...	541.7355	14
2012...	618.9472	18
2012...	1,190.1533	20
2012...	666.8908	11
2012...	871.507	13
2012...	953.0825	21
2012...	625.2434	17
2012...	459.9032	11
2012...	464.9043	11

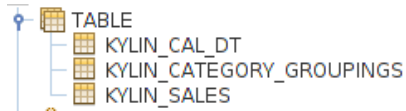
And it's works, OK 

## Extra: Some tips:

SquirrelL 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:

☒ Export CSV file    ☐ Export MS Excel (XLSX) file    ☐ Export XML file  
☐ Export MS Excel (XLS) file

Column Separator:  ☐ Use tab character

Line Separator:  ▼

Charset:  ▼

☒ Export complete table    ☐ Export selection

Info about time query execution:

Executed: Wed Oct 12 13:33:23 CEST 2016

Row Count: 731

SQL: 

```
select part_dt, sum(price) as total_sold, count(distinct  
order by part_dt
```

Elapsed Time (seconds): Total: 1.15, SQL query: 1.141, Building output: 0.009

**For any suggestions, feel free to contact me**

**Thanks, Alberto**