

%hive

show databases

settings ▼

database\_name

default

marketstack

%hive

--create database marketstack

%hive

use marketstack

Query executed successfully. Affected rows : -1

%hive

--drop table stocks

Query executed successfully. Affected rows : -1

%hive

create external table stocks(  
  open float,  
  high float,  
  low float,  
  close string,  
  volume double,  
  adj\_high string,  
  adj\_low string,  
  adj\_close string,  
  adj\_open string,  
  adj\_volume string,  
  split\_factor string,  
  dividend string,  
  stock\_symbol string,  
  `exchange` string,  
  `date` string  
)  
partitioned by (`symbol` string)  
stored as parquet  
location '/stocks/'  
TBLPROPERTIES ("parquet.compression"="SNAPPY")

Query executed successfully. Affected rows : -1

%hive

MSCK REPAIR TABLE stocks

Query executed successfully. Affected rows : -1

%hive

show partitions stocks

settings ▼

partition

symbol=AAPL

symbol=CLDR

symbol=MSFT

%hive

SELECT count(\*) FROM stocks

settings ▼

\_c0

565

%impala

invalidate metadata;

READY

Query executed successfully. Affected rows : -1

%impala

use marketstack;

READY

Query executed successfully. Affected rows : -1

%impala

COMPUTE STATS stocks;

READY

settings ▼

summary

Updated 3 partition(s) and 15 column(s).

%impala

DESCRIBE FORMATTED stocks;

READY

settings ▼

name	type	comment
# col_name	data_type	comment
	null	null
open	float	null
high	float	null
low	float	null
close	string	null
volume	double	null
adj_high	string	null

%impala

select \* from stocks limit 5;

READY

settings ▼

open	high	low	close	volume	adj_high	adj_low	adj_close
149.78	150.86	148.2	150.17	76030800	null	null	150.17
144.08	148.95	143.25	148.47	77996900	null	null	148.47
142.99	146.45	142.1201	145.49	69119712	null	null	145.49
145.76	148.45	145.05	145.86	77523400	null	null	145.86
145.67	146.64	143.78	144.87	63305113	null	null	144.87

%impala

SELECT `symbol`, count(\*) as count FROM stocks  
ORDER BY count DESC;

READY

Hive and Impala SQL Queries

settings

symbol

count

AAPL

252

MSFT

252

CLDR

61

%impala

READY

SELECT `symbol`, max(open), min(open), max(high), min(high), max(low), min(low), max(volume), min(volume) FROM stocks  
GROUP BY `symbol`  
ORDER BY max(open) DESC;

settings

symbol

max(open)

min(open)

max(high)

min(high)

max(low)

min(low)

max(volume)

MSFT

344.62

243.86

349.665

245.74

342.2

241.51

90214290

AAPL

182.63

130.07

182.9

132.39

179.12

129.07

195432700

CLDR

15.99

15.7

16

15.8

15.99

15.7

15203961

%impala

READY

SELECT `symbol`, max(open), min(open), max(high), min(high), max(low), min(low), max(volume), min(volume) FROM stocks  
GROUP BY `symbol`  
ORDER BY max(open) DESC;

settings

Available Fields

symbol

max(open)

min(open)

max(high)

min(high)

max(low)

min(low)

max(volume)

min(volume)

keys

symbol

groups

values

max(open) SUM

min(open) SUM

max(high) SUM

min(high) SUM

max(low) SUM

min(low) SUM

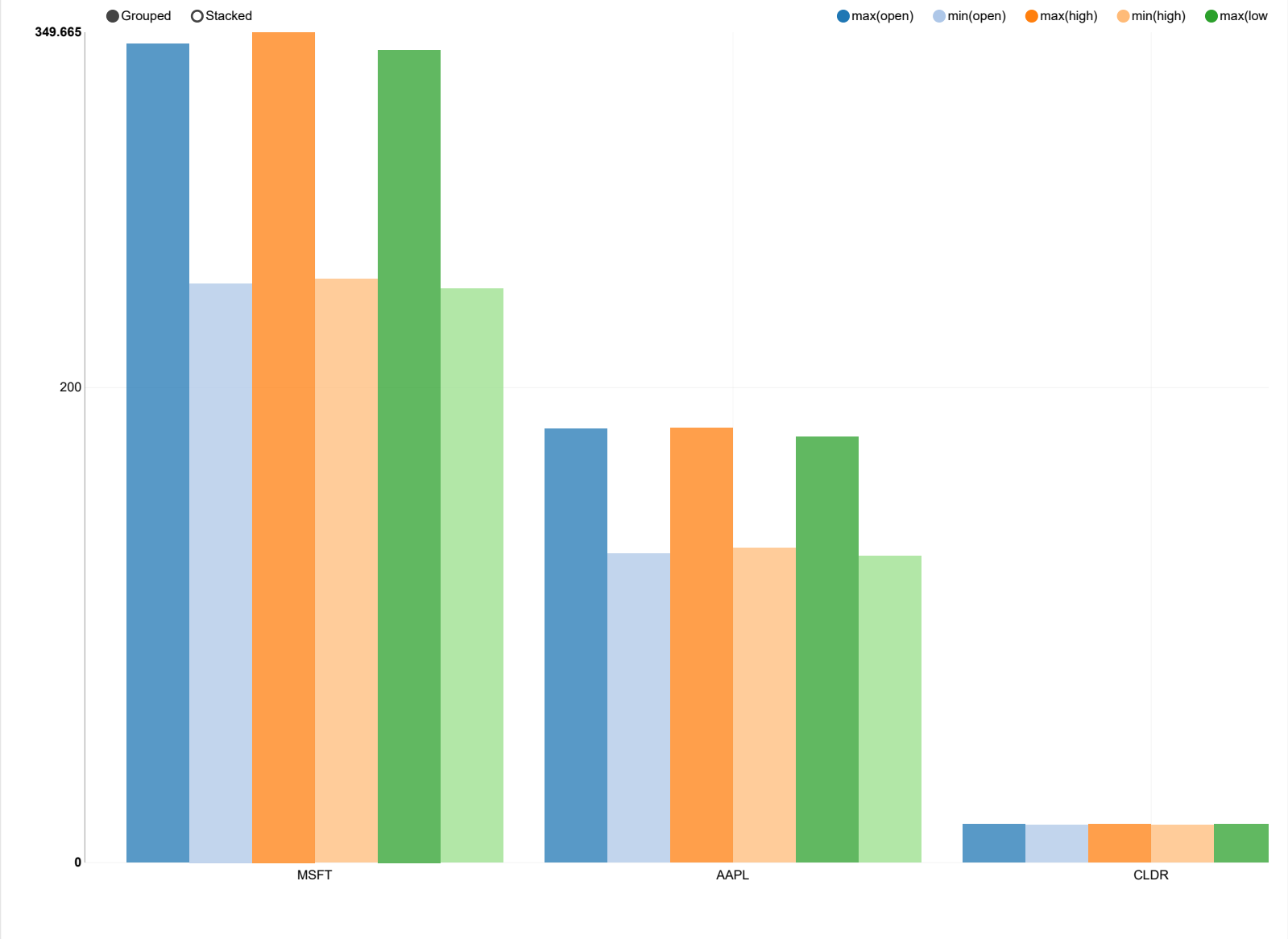
xAxis :

Default

Rotate

Hide

Hive and Impala SQL Queries



%impala

drop view impala\_view;

Query executed successfully. Affected rows : -1

READY

%impala

CREATE VIEW impala\_view AS SELECT `symbol`, max(open) as max\_open, min(open) as min\_open, max(high) as max\_high, min(high) as min\_high, max(low) as max\_low, min(low) as min\_low, max\_volume, min(volume) as min\_volume FROM stocks GROUP BY `symbol` ORDER BY max\_open DESC;

Query executed successfully. Affected rows : -1

READY

%impala

SELECT \* FROM impala\_view;

settings

symbol	max_open	min_open	max_high	min_high	max_low	min_low	max_volume
AAPL	182.63	130.07	182.9	132.39	179.12	129.07	195432700
MSFT	344.62	243.86	349.665	245.74	342.2	241.51	90214290
CLDR	15.99	15.7	16	15.8	15.99	15.7	15203961

READY