

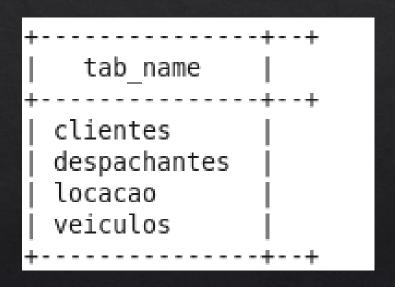
# Big Data com Hive e Impala

Metadados



#### Tabelas

show tables







### Metadados

DESCRIBE CLIENTES

+   col_name	data_type	++   comment
idcliente   cnh   cpf   validadecnh   nome   datacadastro   datanascimento   telefone   status	int   string   string   date   string   date   date   string	





#### Metadados

DESCRIBE FORMATTED LOCACAO;

col_name	data_type	comment
# col_name	data_type	comment
	NULL	NULL
idlocacao	int	
idcliente	int	
iddespachante	int	
idveiculo	int	
datalocacao	date	I I
dataentrega	date	1
total	double	1
	NULL	NULL
# Detailed Table Information	NULL	NULL
Database:	locacao	NULL
Owner:	root	NULL
CreateTime:	Mon Aug 05 10:49:21 PDT 2019	NULL
LastAccessTime:	UNKNOWN	NULL
Protect Mode:	None	NULL
Retention:	0	NULL
Location:	hdfs://quickstart.cloudera:8020/user/hive/warehouse,	
Table Type:	EXTERNAL_TABLE	NULL
Table Parameters:	NULL	NULL
	COLUMN_STATS_ACCURATE	true
	EXTERNAL	TRUE
	numFiles	1
	totalSize	3730
	transient_lastDdlTime	1565027371
	NULL	NULL
# Storage Information	NULL	NULL
SerDe Library:	org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe	
InputFormat:	org.apache.hadoop.mapred.TextInputFormat	NULL
OutputFormat:	org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutpu	
Compressed:	No	NULL
Num Buckets:	-1	NULL
Bucket Columns:	[]	NULL
Sort Columns:	[]	NULL
Storage Desc Params:	NULL	NULL
	field.delim	[ ,
I	serialization.format	i,
+	·····	+





#### Metadados

DESCRIBE DATABASE LOCACAO;

+   db name	+   comment	+    location	+   owner name	+   owner type	parameters	++ 
locacao	;   	 	/locacao.db	root	USER	++
+	+	+	+	+	-++	++





# Consultado Hcatalog

```
mysql -u root -pcloudera
show databases;
```

```
Database
information_schema
cm
firehose
hue
metastore
mysql
nav
navms
oozie
retail db
rman
sentry
```





### Consultado Hcatalog

```
use metastore;
show tables;
```



BUCKETING COLS CDS COLUMNS V2 COMPACTION QUEUE COMPLETED TXN COMPONENTS DATABASE PARAMS DBS DB\_PRIVS DELEGATION TOKENS FUNCS FUNC RU GLOBAL\_PRIVS HIVE\_LOCKS IDXS INDEX PARAMS MASTER KEYS METASTORE DB PROPERTIES NEXT COMPACTION QUEUE ID NEXT\_LOCK\_ID NEXT\_TXN\_ID NOTIFICATION\_LOG NOTIFICATION\_SEQUENCE NUCLEUS\_TABLES PARTITIONS PARTITION\_EVENTS PARTITION KEYS PARTITION\_KEY\_VALS PARTITION PARAMS PART COL PRIVS PART COL STATS PART PRIVS ROLES ROLE\_MAP SDS SD PARAMS SEQUENCE\_TABLE SERDES SERDE\_PARAMS SKEWED\_COL\_NAMES SKEWED\_COL\_VALUE\_LOC\_MAP SKEWED\_STRING\_LIST SKEWED\_STRING\_LIST\_VALUES SKEWED VALUES SORT COLS TABLE PARAMS TAB\_COL\_STATS TBLS TBL COL PRIVS TBL PRIVS TXN COMPONENTS TYPES TYPE\_FIELDS VERSION



## Consultado Hcatalog

♦ Bancos de Dados
select \* from dbs;

DB_ID   DESC	DB_LOCATION_URI	NAME	OWNER_NAME	OWNER_TYPE
1   Default Hive database	hdfs://quickstart.cloudera:8020/user/hive/warehouse	default	public	ROLE
10   NULL	hdfs://quickstart.cloudera:8020/user/hive/warehouse/locacao.db	locacao	root	





# Consultado Hcatalog

♦ Tabelas

select \* from TBLS where DB\_ID=10;

TBL_ID   CREATE_TIME	DB_ID	LAST_ACCESS_TIME	OWNER	RETENTION	SD_ID	TBL_NAME	TBL_TYPE	VIEW_EXPANDED_TEXT	VIEW_ORIGINAL_TEXT	LINK_TARGET_ID
17   1565027304     18   1565027323     19   1565027346     20   1565027361	10   10   10   10	0   0   0	root root root root	0 0 0 0	16   17   18   19	clientes   veiculos   despachantes   locacao	EXTERNAL_TABLE EXTERNAL_TABLE EXTERNAL_TABLE EXTERNAL_TABLE	NULL NULL	NULL   NULL   NULL   NULL	NULL     NULL     NULL     NULL





### Consultado Hcatalog

♦ Coluna da tabela locação;

select \* from COLUMNS\_V2 where CD\_ID =
19;

CD_ID	COMMENT	COLUMN_NAME	TYPE_NAME	INTEGER_IDX
19	NULL   NULL   NULL   NULL   NULL   NULL   NULL	dataentrega	date	5
19		datalocacao	date	4
19		idcliente	int	1
19		iddespachante	int	2
19		idlocacao	int	0
19		idveiculo	int	3
19		total	double	6



