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Accessing Hive Metadata ✓ Solved

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rio Rising Star

Created 04-29-2015 12:51 PM



It is always handy to search tables and column in metadata. How do I search for tables in Hive based on the column name?

I know we can do via metadata. I logged into MySQL metadata but did not find a way to search.

I saw a way to search a column name but could not find a way to relate to table name.

```
select COLUMN_NAME from COLUMNS_V2 where column_name regexp 'repo' ;
```

I also searched on TBLS table, but there is no column name.

Any help?

Reply



14,404 VIEWS



0 KUDOS

1 AGREE

1 ACCEPTED SOLUTION


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Re: Accessing Hive Metadata



sergio.pena  Cloudera Employee
Created 05-11-2015 09:37 AM



COLUMNS_OLD is a deprecated table where columns used to be stored. Hive might have some information there for some reason. You can use both COLUMNS_OLD or COLUMNS_V2 when searching for your column.

[View solution in original post](#)

Reply

 14,250 VIEWS  0 KUDOS  0 AGREE

7 REPLIES

Re: Accessing Hive Metadata



sergio.pena  Cloudera Employee
Created 05-01-2015 08:51 AM



Here's the query you can use on the metastore:

```
select TBL_NAME, COLUMN_NAME, TYPE_NAME from TBLS left join COLUMNS_V2 on CD_ID =  
TBL_ID where COLUMN_NAME like 'column';
```


where 'column' is the column name you're looking for.

Reply

 14,310 VIEWS  1 KUDO

Re: Accessing Hive Metadata



rio  Rising Star
Created 05-06-2015 12:11 PM



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 14,289 VIEWS  0 KUDOS

Re: Accessing Hive Metadata



sergio.pena  Cloudera Employee

Created 05-06-2015 12:43 PM



You can use the following statment:

```
ALTER TABLE TABLE_NAME ADD INDEX (COLUMN_NAME);
```

Is the query slow on your system?

Could you paste the the output of the 'EXPLAIN SELECT ...' of your query?

Reply



14,285 VIEWS



0 KUDOS

Re: Accessing Hive Metadata



rio Rising Star

Created 05-06-2015 01:51 PM



Query comes out fast. Not all hive columns / tables are displayed. I know there is a table for a column idMfg but when I search it does not display.

Will creating index help here?

Reply



14,280 VIEWS



0 KUDOS

Re: Accessing Hive Metadata



sergio.pena  Cloudera Employee

Created 05-07-2015 08:14 AM



Indexing won't work to connect two tables. This is used for speed performance when searching data on tables.

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I was taking a look at the tables on the metastore, and there are tables like SKEWED_COL_NAMES, PART_COL_PRIVS, etc. Those contain the column name as well.

How is the table you're looking for configured? Is it partitioned? Is it skewed?

Reply

 14,270 VIEWS  1 KUDO

Re: Accessing Hive Metadata



rio Rising Star

Created 05-07-2015 11:54 AM



This query is giving me output. what is difference between COLUMNS_OLD and COLUMNS_V2?

```
select TBL_NAME, COLUMN_NAME, TYPE_NAME from TBLS t left join COLUMNS_OLD c
on c.SD_ID = t.SD_ID where COLUMN_NAME regexp 'idorder';
```

Reply

 14,263 VIEWS  0 KUDOS

Re: Accessing Hive Metadata



sergio.pena



Cloudera Employee

Created 05-11-2015 09:37 AM



COLUMNS_OLD is a deprecated table where columns used to be stored. Hive might have some information there for some reason. You can use both COLUMNS_OLD or COLUMNS_V2 when searching for your column.

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14,251 VIEWS



0 KUDOS

0 AGREE

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