

SparkR::sql, DBI::dbExecute, and sparklyr::spark_sql

Xiande Yang

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SparkR, DBI, and sparklyr

Databricks deprecated SparkR using which I wrote more than 150k lines of code. This really made me upset. However, I had to change to sparklyr.

sparkR::sql, sparklyr::spark_sql, dplyr::tbl(sc, dplyr::sql()), and DBI::dbExecute.

- sparkR::sql() can be used for parallel tasks which is essential for big data.
- sparklyr::spark_sql() is the equivalent one of sparkR::sql().
- dplyr::tbl(sc, dplyr::sql()) is good for select operation in SQL or dplyr equivalent operations excellent for pipe operation %>% but it does not work for create or replace table etc.
- DBI::dbExecute() works equivalent to sparkR::sql() or sparklyr::spark_sql() however, it is for sequential tasks but not for parallel work. So, when I ran code parallelly in Databricks, it has the error of race condition.

Now I use sparklyr::spark_sql for SQL code within R.

Bye bye SparkR!! I love you but somebody else does not like you and make you a legacy package.