

Cloudera Runtime 7.1.6

## Apache Phoenix SQL Command Reference

Date published: 2020-02-29

Date modified: 2021-03-03

# CLOUDERA

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# Apache Phoenix SQL command reference

You can use these data definition language (DDL) and data manipulation language (DML) commands to perform database operations on Apache Phoenix tables.

**Table 1: Apache Phoenix commands**

| Command       | Description  | Simple example  |
|---------------|--|---|
| CREATE TABLE  | Creates a new table  | <pre>CREATE TABLE your_schema.TEST_TABLE ( id BIGINT not null primary key, date Date);</pre>                  |
| DROP TABLE    | Drops an existing table  | <pre>DROP TABLE your_schema.your_table;</pre>   |
| CREATE VIEW   | Creates a new view over an existing Apache HBase or Phoenix table  | <pre>CREATE VIEW "hbase table" ( k VARCHAR primary key, "h" UNSIGNED_LONG) default_column_family='cf1';</pre> |
| DROP VIEW     | Drops an existing view. When you drop a view, the underlying table data is not affected; the index data for the view is deleted  | <pre>DROP VIEW your_view;</pre>   |
| SELECT        | Selects data from one or more tables   | <pre>SELECT * FROM TEST_TABLE LIMIT 1000;</pre>   |
| UPSERT VALUES | Inserts value if the value is not present in the table and updates the value in the table if the value is already present. The list of columns is optional and if not present, the data is mapped to the column in the order they are declared in the schema | <pre>UPSERT INTO TEST_TABLE VALUES( 'A', 'B', 4 );</pre>  |
| UPSERT SELECT | Inserts value if the value is not already present and updates the rows in the table based on the results of running the next query   | <pre>UPSERT INTO test.targetTable(cq1, cq2) SELECT cq3, cq4 FROM test.sourceTable WHERE cq5 &lt; 100</pre>    |