

PUT ddl/database/:db/table/:table

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1 Description

Create a new HCatalog table. For more information, please refer to the [Hive documentation](#).

2 URL

http://www.myserver.com/templeton/v1/ddl/database/:db/table/:table

3 Parameters

| Name | Description | Required? | Default |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|
| :db | The database name | Required | None |
| :table | The new table name | Required | None |
| group | The user group to use when creating a table | Optional | None |
| permissions | The permissions string to use when creating a table. | Optional | None |
| external | Allows you to specify a location so that Hive does not use the default location for this table. | Optional | false |
| ifNotExists | If true, you will not receive an error if the table already exists. | Optional | false |
| comment | Comment for the table | Optional | None |
| columns | A list of column descriptions, including name, type, and an optional comment. | Optional | None |
| partitionedBy | A list of column descriptions used to partition the table. Like the columns parameter this is a list of name, type, and comment fields. | Optional | None |
| clusteredBy | An object describing how to cluster the table including the parameters | Optional | None |

| Name | Description | Required? | Default |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|
| | columnNames, sortedBy, numberOfBuckets. The sortedBy parameter includes the parameters columnName and order. For further information please refer to the examples below or to the Hive documentation . | | |
| format | Storage format description including parameters for rowFormat, storedAs and storedBy. For further information please refer to the examples below or to the Hive documentation . | Optional | None |
| location | The HDFS path | Optional | None |
| tableProperties | A list of table property names and values (key/value pairs) | Optional | None |

4 Results

| Name | Description |
|-----------------|--------------------|
| table | The new table name |
| database | The database name |

5 Example

Curl Command

```
% curl -s -X PUT -HContent-type:application/json -d '{
  "comment": "Best table made today",
  "columns": [
    { "name": "id", "type": "bigint" },
    { "name": "price", "type": "float", "comment": "The unit price" } ],
  "partitionedBy": [
    { "name": "country", "type": "string" } ],
  "format": { "storedAs": "rcfile" } }' \
'http://localhost:50111/templeton/v1/ddl/database/default/table/test_table?
user.name=ctdean'
```

Curl Command (using clusteredBy)

```
% curl -s -X PUT -HContent-type:application/json -d '{
  "comment": "Best table made today",
  "columns": [
    { "name": "id", "type": "bigint"},
    { "name": "price", "type": "float", "comment": "The unit price" } ],
  "partitionedBy": [
    { "name": "country", "type": "string" } ],
  "clusteredBy": {
    "columnNames": ["id"],
    "sortedBy": [
      { "columnName": "id", "order": "ASC" } ],
    "numberOfBuckets": 10 },
  "format": {
    "storedAs": "rcfile",
    "rowFormat": {
      "fieldsTerminatedBy": "\u0001",
      "serde": {
        "name": "org.apache.hadoop.hive.serde2.columnar.ColumnarSerDe",
        "properties": {
          "key": "value" } } } }
  } ' \
  'http://localhost:50111/templeton/v1/ddl/database/default/table/test_table_c?
  user.name=ctdean'
```

JSON Output

```
{
  "table": "test_table",
  "database": "default"
}
```

JSON Output (error)

```
{
  "statement": "use default; create table test_table_c(id bigint, price float comment ...",
  "error": "unable to create table: test_table_c",
  "exec": {
    "stdout": "",
    "stderr": "WARNING: org.apache.hadoop.metrics.jvm.EventCounter is deprecated...
      Hive history file=/tmp/ctdean/hive_job_log_ctdean_201204051335_2016086186.txt
      SLF4J: Class path contains multiple SLF4J bindings.
      SLF4J: Found binding in ...
      SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
      OK
      Time taken: 0.448 seconds
      FAILED: Error in semantic analysis: Operation not supported. HCatalog doesn't allow
      Clustered By in create table.
      ",
    "exitcode": 10
  }
}
```

```
}
```