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 paraeters 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
  }
```

```
}
```