

HBASE - DROP A TABLE

http://www.tutorialspoint.com/hbase/hbase_drop_table.htm

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Dropping a Table using HBase Shell

Using the **drop** command, you can delete a table. Before dropping a table, you have to disable it.

```
hbase(main):018:0> disable 'emp'  
0 row(s) in 1.4580 seconds  
  
hbase(main):019:0> drop 'emp'  
0 row(s) in 0.3060 seconds
```

Verify whether the table is deleted using the exists command.

```
hbase(main):020:0>gt; exists 'emp'  
Table emp does not exist  
0 row(s) in 0.0730 seconds
```

drop_all

This command is used to drop the tables matching the “regex” given in the command. Its syntax is as follows:

```
hbase> drop_all 't.*'
```

Note: Before dropping a table, you must disable it.

Example

Assume there are tables named raja, rajani, rajendra, rajesh, and raju.

```
hbase(main):017:0> list  
TABLE  
raja  
rajani  
rajendra  
rajesh  
raju  
9 row(s) in 0.0270 seconds
```

All these tables start with the letters **raj**. First of all, let us disable all these tables using the **disable_all** command as shown below.

```
hbase(main):002:0> disable_all 'raj.*'  
raja  
rajani  
rajendra  
rajesh  
raju  
Disable the above 5 tables (y/n)?  
y  
5 tables successfully disabled
```

Now you can delete all of them using the **drop_all** command as given below.

```
hbase(main):018:0> drop_all 'raj.*'  
raja  
rajani  
rajendra  
rajesh
```

```
raju
Drop the above 5 tables (y/n)?
y
5 tables successfully dropped
```

Deleting a Table Using Java API

You can delete a table using the **deleteTable** method in the **HBaseAdmin** class. Follow the steps given below to delete a table using java API.

Step 1

Instantiate the HBaseAdmin class.

```
// creating a configuration object
Configuration conf = HBaseConfiguration.create();

// Creating HBaseAdmin object
HBaseAdmin admin = new HBaseAdmin(conf);
```

Step 2

Disable the table using the **disableTable** method of the **HBaseAdmin** class.

```
admin.disableTable("emp1");
```

Step 3

Now delete the table using the **deleteTable** method of the **HBaseAdmin** class.

```
admin.deleteTable("emp12");
```

Given below is the complete java program to delete a table in HBase.

```
import java.io.IOException;

import org.apache.hadoop.hbase.HBaseConfiguration;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.hbase.client.HBaseAdmin;

public class DeleteTable {

    public static void main(String[] args) throws IOException {

        // Instantiating configuration class
        Configuration conf = HBaseConfiguration.create();

        // Instantiating HBaseAdmin class
        HBaseAdmin admin = new HBaseAdmin(conf);

        // disabling table named emp
        admin.disableTable("emp12");

        // Deleting emp
        admin.deleteTable("emp12");
        System.out.println("Table deleted");
    }
}
```

Compile and execute the above program as shown below.

```
$javac DeleteTable.java
$java DeleteTable
```

The following should be the output:

Table deleted

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