

# HBASE - DISABLING A TABLE

[http://www.tutorialspoint.com/hbase/hbase\\_disabling\\_table.htm](http://www.tutorialspoint.com/hbase/hbase_disabling_table.htm)

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## Disabling a Table using HBase Shell

To delete a table or change its settings, you need to first disable the table using the `disable` command. You can re-enable it using the `enable` command.

Given below is the syntax to disable a table:

```
disable 'emp'
```

## Example

Given below is an example that shows how to disable a table.

```
hbase(main):025:0> disable 'emp'  
0 row(s) in 1.2760 seconds
```

## Verification

After disabling the table, you can still sense its existence through **list** and **exists** commands. You cannot scan it. It will give you the following error.

```
hbase(main):028:0> scan 'emp'  
ROW          COLUMN &plus; CELL  
ERROR: emp is disabled.
```

## is\_disabled

This command is used to find whether a table is disabled. Its syntax is as follows.

```
hbase> is_disabled 'table name'
```

The following example verifies whether the table named `emp` is disabled. If it is disabled, it will return `true` and if not, it will return `false`.

```
hbase(main):031:0> is_disabled 'emp'  
true  
0 row(s) in 0.0440 seconds
```

## disable\_all

This command is used to disable all the tables matching the given regex. The syntax for **disable\_all** command is given below.

```
hbase> disable_all 'r.*'
```

Suppose there are 5 tables in HBase, namely `raja`, `rajani`, `rajendra`, `rajesh`, and `raju`. The following code will disable all the tables starting with **raj**.

```
hbase(main):002:07> disable_all 'raj.*'  
raja  
rajani  
rajendra  
rajesh  
raju  
Disable the above 5 tables (y/n)?  
y
```

5 tables successfully disabled

## Disable a Table Using Java API

To verify whether a table is disabled, **isTableDisabled** method is used and to disable a table, **disableTable** method is used. These methods belong to the **HBaseAdmin** class. Follow the steps given below to disable a table.

### Step 1

Instantiate **HBaseAdmin** class as shown below.

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

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

### Step 2

Verify whether the table is disabled using **isTableDisabled** method as shown below.

```
Boolean b = admin.isTableDisabled("emp");
```

### Step 3

If the table is not disabled, disable it as shown below.

```
if(!b){
    admin.disableTable("emp");
    System.out.println("Table disabled");
}
```

Given below is the complete program to verify whether the table is disabled; if not, how to disable it.

```
import java.io.IOException;

import org.apache.hadoop.conf.Configuration;

import org.apache.hadoop.hbase.HBaseConfiguration;
import org.apache.hadoop.hbase.MasterNotRunningException;
import org.apache.hadoop.hbase.client.HBaseAdmin;

public class DisableTable{

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

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

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

        // Verifying whether the table is disabled
        Boolean bool = admin.isTableDisabled("emp");
        System.out.println(bool);

        // Disabling the table using HBaseAdmin object
        if(!bool){
            admin.disableTable("emp");
            System.out.println("Table disabled");
        }
    }
}
```

```
}
```

Compile and execute the above program as shown below.

```
$javac DisableTable.java  
$java DsiableTable
```

The following should be the output:

```
false  
Table disabled
```

```
Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```