

# How to recover the database in MS SQL Server

Simply put, this is the process of retrieving the backup file and returning it to the database.

Recovery is the process of copying backed up data and putting recorded transactions into MS SQL Server data. Simply put, this is the process of retrieving the backup file and returning it to the database.

Database recovery can be done in two ways.

## Method 1: Use T-SQL

The following syntax is used to restore databases.

```
Restore database from disk = ''
```

For example

The following command is used to restore the database named *TestDB* with a backup file named **TestDB\_Full.bak** located at address **D:** if you choose to overwrite the current database.

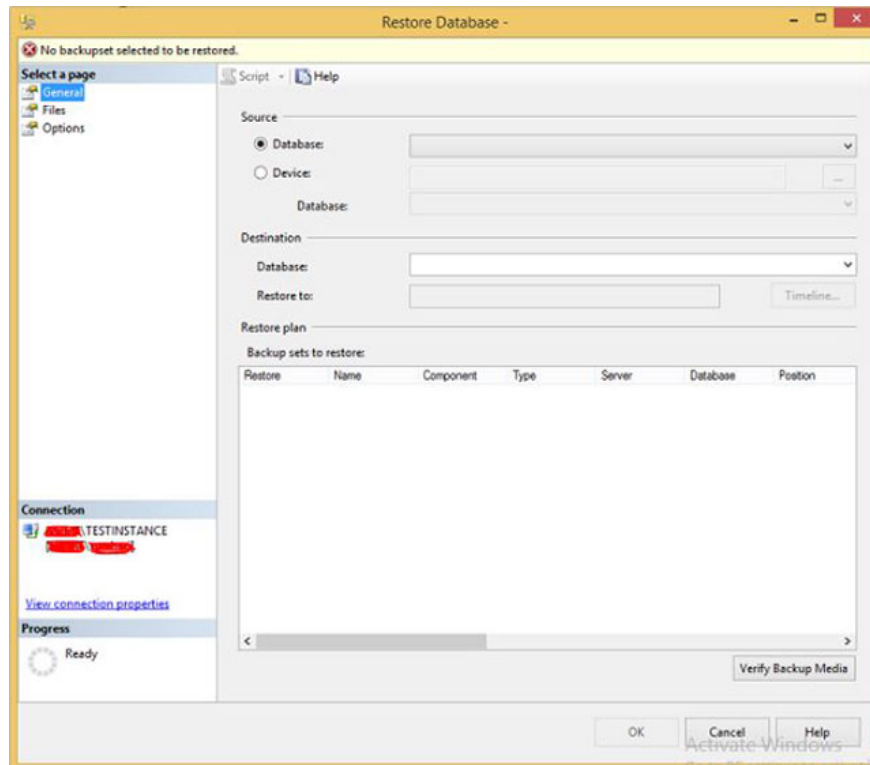
```
Restore database TestDB from disk = ' D:TestDB_Full.bak' with replace
```

If you create a new database using this recovery command and there is no path or file to record history on the server above, use the command below. Make sure the path **D: Data** exists .

```
RESTORE DATABASE TestDB FROM DISK = 'D: TestDB_Full.bak' WITH MOVE 'TestDB' TO 'D: Data'
```

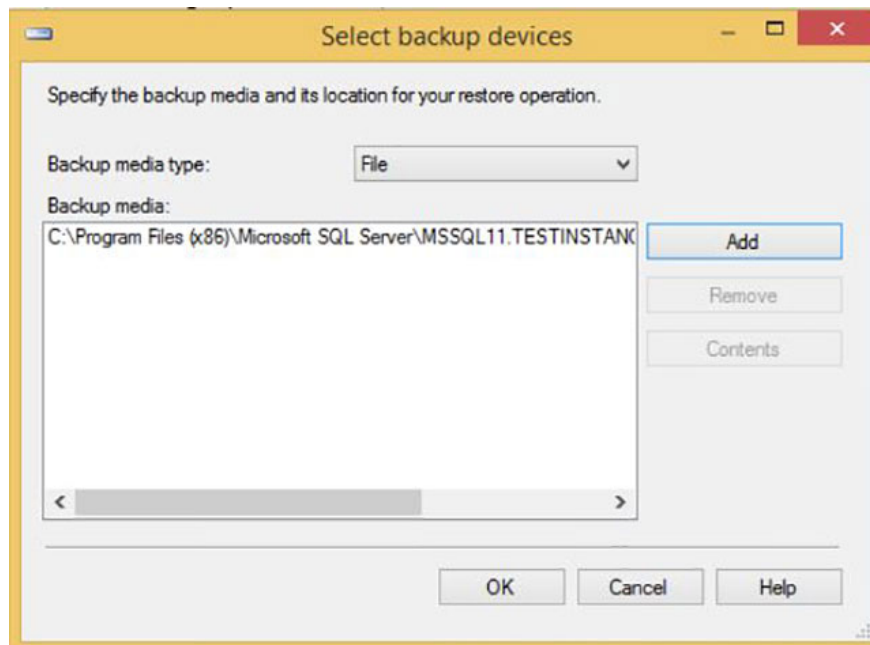
## Method 2: Use SQL Server Management Studio SSMS

**Step 1** : Connect to the database named **TESTINSTANCE** and right click on the folder, select **Restore Database** to appear as shown below.



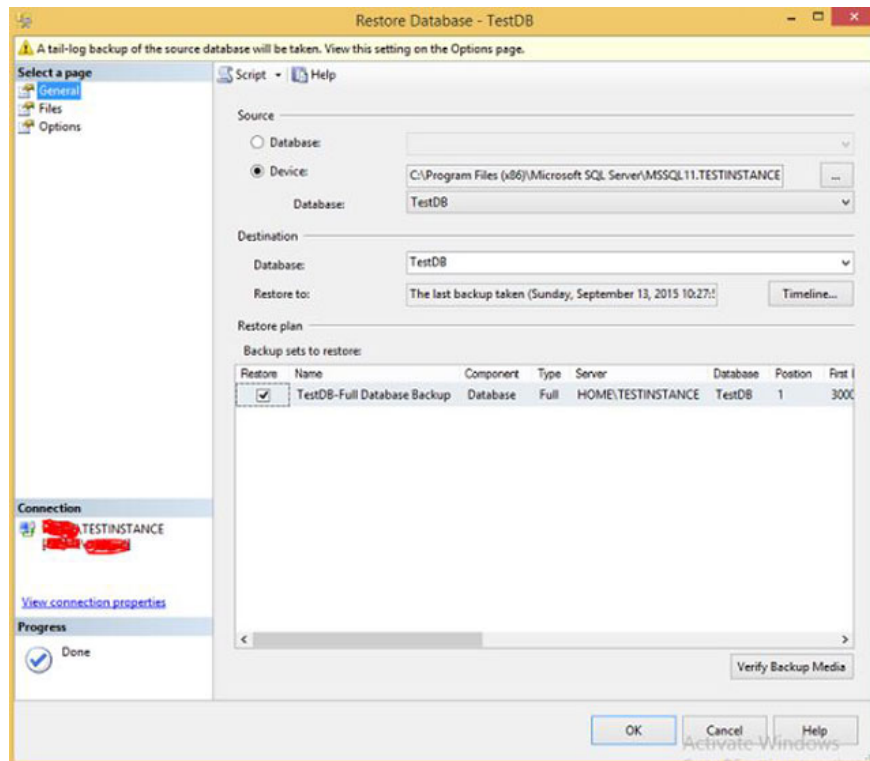
*Restore the database by selecting after right clicking*

**Step 2 :** Select **Device** and select the path to open the backup file as shown below.



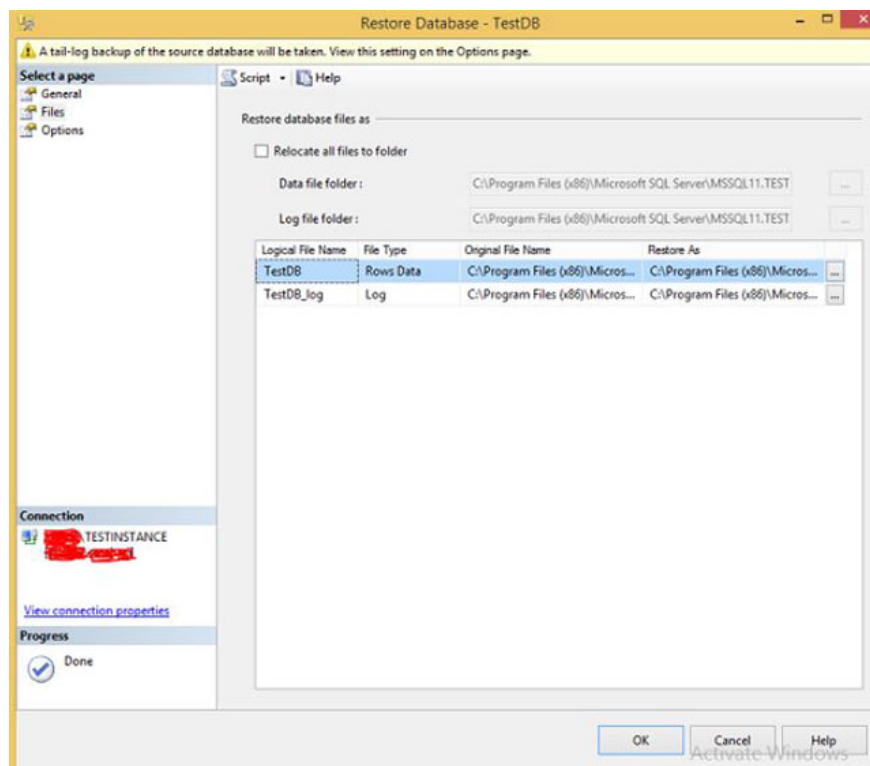
*Find the place where the backup file was saved when you created it before*

**Step 3 :** Click **OK** and the screen below will appear.



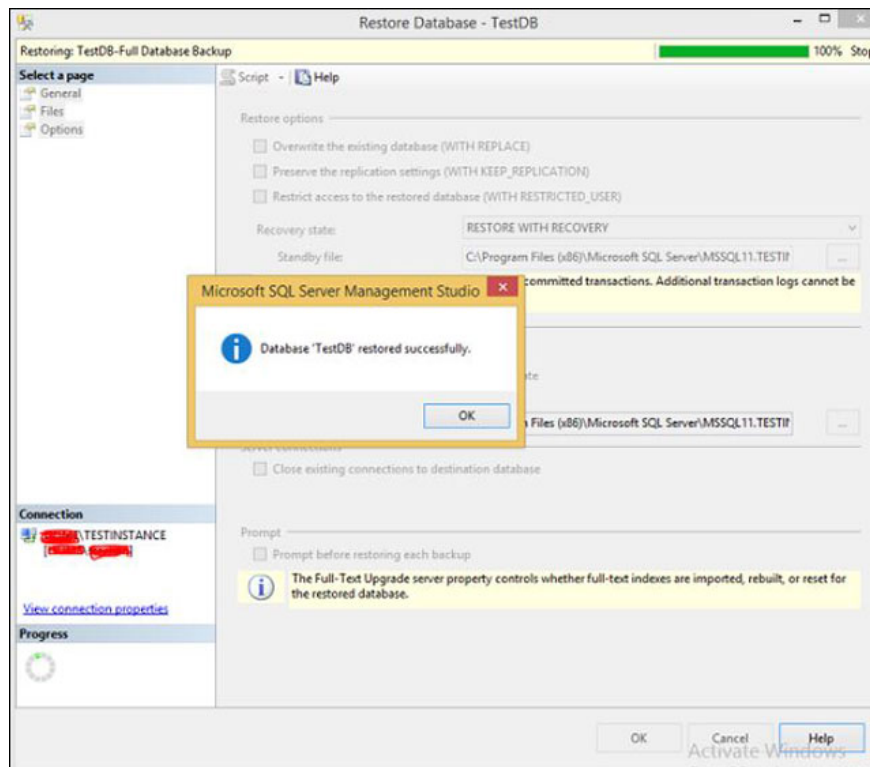
Select the recovery database and the previously created backup file

**Step 4** : Select **Files** in the left corner of the screen, the following dialog box will appear.



## File information for database recovery process

**Step 5** : Select **Options** in the left corner and click **OK** to start restoring *TestDB* database as shown in the picture below.



## Successfully restored TestDB database

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