

Error on renaming database in SQL Server 2008 R2

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I am using this query to rename the database:

138

```
ALTER DATABASE BOSEVIKRAM MODIFY NAME = [BOSEVIKRAM_Deleted]
```



But it shows an error when excuting:



36

Msg 5030, Level 16, State 2, Line 1

The database could not be exclusively locked to perform the operation.

Is anything wrong with my query?

sql



sql-server

sql-server-2008-r2

edited May 22 '13 at 8:09



marc_s

582k

130

1122

1268

asked May 22 '13 at 6:53



Vikram Bose

1,441

2

9

25

- 4 There's nothing wrong with the query - the error is telling you that other connections are connected to the database, so you're not allowed to rename it at this time. – [Damien_The_Unbeliever](#) May 22 '13 at 6:55
- 1 If you're doing this from SSMS, make sure you don't have a query window open against that db, as that's a separate connection that places a lock on the db. – [jleach](#) Feb 19 '16 at 9:17

11 Answers

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▲ You could try setting the database to single user mode.

276

<https://stackoverflow.com/a/11624/2408095>



use master

ALTER DATABASE BOSEVIKRAM **SET** SINGLE_USER **WITH ROLLBACK** IMMEDIATE

ALTER DATABASE BOSEVIKRAM MODIFY NAME = [BOSEVIKRAM_Deleted]

ALTER DATABASE BOSEVIKRAM_Deleted **SET** MULTI_USER

edited May 23 '17 at 11:47



Community ♦

1 1

answered May 22 '13 at 7:02



[Squid](#)

3,190 1 7 8



1. Set the database to single mode:

46

ALTER DATABASE dbName

SET SINGLE_USER **WITH ROLLBACK** IMMEDIATE



2. Try to rename the database:

```
ALTER DATABASE dbName MODIFY NAME = NewName
```

3. Set the database to Multiuser mode:

```
ALTER DATABASE NewName
SET MULTI_USER WITH ROLLBACK IMMEDIATE
```

answered Jun 12 '14 at 6:00



[Samiey Mehdi](#)

6,792 16 42 58

helpful codes, thanks – [Jhoon Bey](#) Jul 9 '14 at 10:27

@SamieyMehdi Should I use WITH ROLLBACK IMMEDIATE for multiuser? – [BendEg](#) Oct 20 '16 at 8:48



Try to close all connections to your database first:

19



```
use master
```

```
ALTER DATABASE BOSEVIKRAM SET SINGLE_USER WITH ROLLBACK IMMEDIATE
```

```
ALTER DATABASE BOSEVIKRAM MODIFY NAME = [BOSEVIKRAM_Deleted]
```

```
ALTER DATABASE BOSEVIKRAM_Deleted SET MULTI_USER
```

Taken from [here](#)

edited May 23 '17 at 12:34



[Community](#) ♦

1 1

answered May 22 '13 at 6:59



[Andrey Gordeev](#)

15.6k 6 63 104

17

You can also right click your database in the Object Explorer and go to Properties. From there go to Options. Scroll all the way down and set Restrict Access to SINGLE_USER. Change your database name, then go back in and set it back to MULTI_USER.

answered Apr 14 '15 at 17:33



Justin Woodmancy

402 3 11

Quick and easy! – [user1336087](#) Mar 17 '17 at 11:41

That's perfect. Working with SQL Server 2017 – [Adam Macierzyński](#) Mar 8 at 13:09

3

Thats because someone else is accessing the database.. Put the database into single user mode then rename it.

This link might Help you to solve the problem:

[http://msdn.microsoft.com/en-IN/library/ms345378\(v=sql.105\).aspx](http://msdn.microsoft.com/en-IN/library/ms345378(v=sql.105).aspx)

and also this link:

<http://msdn.microsoft.com/en-us/library/ms345378.aspx>

answered May 22 '13 at 6:57



Dhwani

4,139 12 57 122

2

This did it for me:

```
USE [master];  
GO
```

```

ALTER DATABASE [OldDataBaseName] SET SINGLE_USER WITH ROLLBACK IMMEDIATE;
GO
EXEC sp_renamedb N'OldDataBaseName', N'NewDataBaseName';

```

-- Add users again

```

ALTER DATABASE [NewDataBaseName] SET MULTI_USER
GO

```

answered Feb 17 '15 at 15:29



t_plusplus

2,526 3 30 48



Change database to single user mode as shown in the other answers

2



Sometimes, even after converting to single user mode, the only connection allowed to the database may be in use.

To close a connection even after converting to single user mode try:

```

select * from master.sys.sysprocesses
where spid>50 -- don't want system sessions
and dbid = DB_ID('BOSEVIKRAM')

```

Look at the results and see the ID of the connection to the database in question.

Then use the command below to close this connection (there should only be one since the database is now in single user mode)

KILL connection_ID

Replace connection_id with the ID in the results of the 1st query

edited Oct 5 '14 at 2:14

answered Oct 5 '14 at 1:31



slayernoah

1,950 7 31 56

 1.database set 1st single user mode

1

ALTER DATABASE BOSEVIKRAM SET SINGLE_USER WITH ROLLBACK IMMEDIATE

2.RENAME THE DATABASE

ALTER DATABASE BOSEVIKRAM MODIFY NAME =
[BOSEVIKRAM_Deleted]

3.DATABAE SET MULIUSER MODE

ALTER DATABASE BOSEVIKRAM_Deleted SET MULTI_USER WITH ROLLBACK IMMEDIATE

answered Mar 1 '17 at 23:12



K GANGA

11 2



Another way to close all connections:

0

Administrative Tools > View Local Services



Stop/Start the "SQL Server (MSSQLSERVER)" service

answered Feb 14 '17 at 19:45

Chronozoa



195 4 10

1. Set the database to single mode:

0

```
ALTER DATABASE dbName  
SET SINGLE_USER WITH ROLLBACK IMMEDIATE
```

This sql statement will modify the access control of the database from multiple users to a single user(i.e you) and makes you the sole user of the db.Now you can go ahead & change the name of your db.

2.Rename the database:

```
ALTER DATABASE dbName MODIFY NAME = NewName
```

This sql statement does the crucial work of changing your db name to a name you desire.

3.Set the database to Multiuser mode:

```
ALTER DATABASE NewName  
SET MULTI_USER WITH ROLLBACK IMMEDIATE
```

After changing our db name, we simply modify the access control back to where it was which is by default Multi_user.

Note: If you are facing any errors still, read this article for further reference [How to: Rename a Database\(Sql Server Management Studio\)](#)

answered May 10 '18 at 11:50



Tahir77667

137 1 6



```
use master
```

```
ALTER DATABASE BOSEVIKRAM SET SINGLE_USER WITH ROLLBACK IMMEDIATE
```

```
exec sp_renamedb 'BOSEVIKRAM', 'BOSEVIKRAM_Deleted'
```

```
ALTER DATABASE BOSEVIKRAM_Deleted SET MULTI_USER
```

edited Jan 30 '17 at 9:58



Barry Michael Doyle

2,669 8 43 70

answered Jan 30 '17 at 8:59



KamalDeep

143 1 2