

V2 Creating and Altering Database

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1. A sql server DB can be created altered or dropped using 2 methods, graphically using SSMS or by writing query.
2. Database is type of sql server object .
3. For every system db or user defined DB we have 2 files created, .MDF(master data file, main database file) file and .LDF file (Log Data file).
4. **Alter database sample1 modify name=sample2** = > to rename a DB using query.
5. Another method is to use system stored proc(system proc are provided by ms sql server), **sp_renameDB 'sample1','sample2'**
6. If many users connected to DB ,it cant be dropped, bring it to single user mode by altering, **Alter Database SampleDB set single_user with rollback immediate** (with rollback immediately mean if any pending transaction is there from any logged in user, it forces to roll them back and close the connection to move the DB to single user mode)
7. Or choose close existing connection in properties of that DB.
8. System DBs cannot be dropped.

```
ALTER DATABASE ip_ent_site
SET SINGLE_USER WITH ROLLBACK
IMMEDIATE
GO
sp_rename 'ip_ent_site',
'new_db_name' , 'DATABASE';
GO
ALTER DATABASE new_db_name
SET MULTI_USER
GO
```

From

<<https://stackoverflow.com/questions/30660204/rename-database-name-in-sql-server-management-studio-2014>>