

How to swap a replication and a master database with each other efficiently

On the master database

1. set the master database on read only

```
SET GLOBAL super_read_only = ON;  
SET GLOBAL read_only = ON;
```

On slave database

find the last bin log position and file to later make this the replica

```
SHOW MASTER STATUS;
```

```
mysql> SHOW MASTER STATUS;
```

```
+-----+-----+-----+-----+-----+  
| File          | Position | Binlog_Do_DB | Binlog_Ignore_DB | Executed_Gtid_Set |  
+-----+-----+-----+-----+-----+  
| mysql-bin.011112 | 5895164 | emplemdb     |                   |                   |  
+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

Save this output to a text file

stop the slave status and check the read only status. It should stop being read only

```
STOP SLAVE;
```

```
RESET SLAVE ALL;
```

Now this is your new master database

Change the app credentials to look at the slave database

On the old server setup the slave status and start slave

```
CHANGE REPLICATION SOURCE TO  
SOURCE_HOST='PRIMARY_IP',
```

```
SOURCE_USER='repl',  
SOURCE_PASSWORD='StrongPassword',  
SOURCE_LOG_FILE='mysql-bin.000012',  
SOURCE_LOG_POS=45678;
```

```
start slave;
```

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