

# MySQL

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# Repair

```
mysqlcheck -r -u'база_данных' -p'пароль_базы_данных' 'база_данных'
```

```
REPAIR TABLE tablename USE_FRM;
```

Если побилась `mysql.user` и мускуль из-за этого не поднимается

```
for i in $(ls *.MYI | awk -F'.' '{print $1}'); do myisamchk -r -q $i ;done
```

# Проблемы с переносом баз

ERROR 1118 (42000): Row size too large (> 8126). Changing some columns to TEXT or BLOB may help. In current row format, BLOB prefix of 0 bytes is stored inline

```
sed -i 's#ENGINE=InnoDB#ENGINE=InnoDB ROW_FORMAT=DYNAMIC#g' dump.sql
```

ERROR 1416 (22003) at line 801: Cannot get geometry object from data you send to the GEOMETRY field

Где-то есть таблица с пустым геометрическим полем. Заполни его какими-нибудь координатами, 0,0,0 например

ERROR 1449 (HY000) at line 4012: The user specified as a definer ('asdf'@'localhost') does not exist

```
sed -i 's/\\*!50013 DEFINER=`asdf`@`localhost` SQL SECURITY DEFINER \\*\\/g' dump.sql
```

ERROR 1071 (42000) at line 874:  
Specified key was too long; max key  
length is 255 bytes

```
sed -i 's/tinytext/VARCHAR(255)/g'
```

# SQL

## SQL alter/convert

- таблицу и поля в кодировки

```
ALTER TABLE `DATABASE`.`TABLE` CONVERT TO CHARACTER SET utf8 COLLATE utf8_unicode_ci;
```

- базу, таблицы, поля в кодировки

```
ALTER DATABASE `DATABASE` DEFAULT CHARSET=utf8 COLLATE utf8_bin;
```

<https://stackoverflow.com/questions/6115612/how-to-convert-an-entire-mysql-database-character-set-and-collation-to-utf-8#6115705>

Use the ALTER DATABASE and ALTER TABLE commands.

```
ALTER DATABASE databasename CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci;  
ALTER TABLE tablename CONVERT TO CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci;
```

Or if you're still on MySQL 5.5.2 or older which didn't support 4-byte UTF-8, use utf8 instead of utf8mb4:

```
ALTER DATABASE databasename CHARACTER SET utf8 COLLATE utf8_unicode_ci;  
ALTER TABLE tablename CONVERT TO CHARACTER SET utf8 COLLATE utf8_unicode_ci;
```

# КЛИЕНТ

Красивый шелл:

```
prompt='\u at \h in \d> '
```