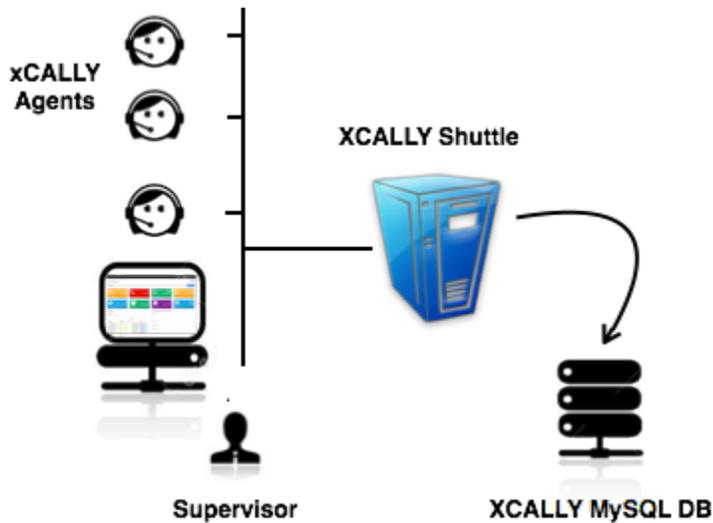# Move the XCALLY database to a different server

Use external realtime DB on different server

Scaling Architecture


Configure the Asterisk Realtime Architecture

Important

After the configuration changes, please reboot the machine.

Scalable architecture

For large scalable deployments on one hand, and to be able to interact with the XCALLY SHUTTLE DB from external application on the other hand, without affecting the operation, we suggest at least 3 Linux CentOS6.X servers, like in the following example.
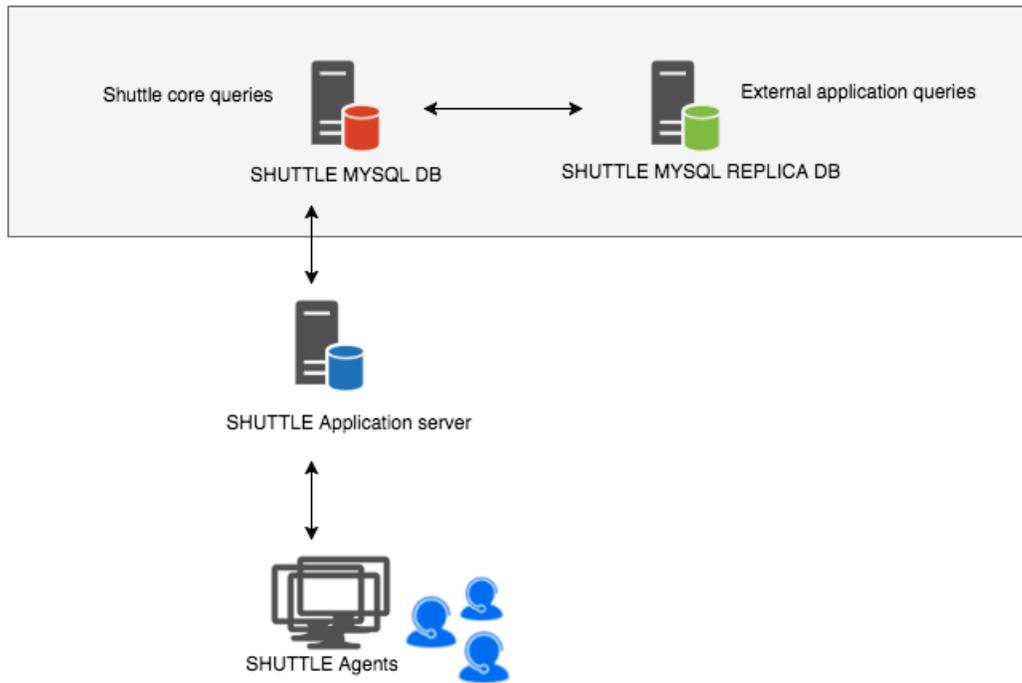
Please contact our XCALLY Team for help and more details about this scalable deployment solution.

GUI

You have to edit:

- the file called **database.php**, under the directory **/var/www/html/application/config**, as follows:

```
$db['default']['hostname'] = 'DESTINATION_HOSTNAME_MYSQL';
$db['default']['username'] = 'DESTINATION_USERNAME_MYSQL';
$db['default']['password'] = 'DESTINATION_PASSWORD_MYSQL';
$db['default']['database'] = 'DESTINATION_DATABASE_MYSQL';
```

- the file called **mysql.json**, under the directory **/var/www/html**, as follows:

```
{
"host": "DESTINATION_HOSTNAME_MYSQL",
"port": "3306",
"user": "DESTINATION_USERNAME_MYSQL",
"password": "DESTINATION_PASSWORD_MYSQL",
"database": "DESTINATION_DATABASE_MYSQL"
}
```

- In **Settings / General** set the parameter "Direct database extract" to **NO** (in order to extract the CSV files in the correct location):

Direct database extract	No	Direct database extract

ASTERISK CDR

You have to edit the file called **cdr_mysql.conf**, under the directory **/etc/asterisk/**, as follows:

```
hostname=DESTINATION_HOSTNAME_MYSQL

dbname=DESTINATION_DATABASE_MYSQL

password=DESTINATION_PASSWORD_MYSQL

user=DESTINATION_USERNAME_MYSQL
```

ASTERISK REALTIME

You have to edit:

- the file called **res_config_mysql.conf** under the directory **/etc/asterisk/**

```
dbhost = DESTINATION_HOSTNAME_MYSQL

dbname = DESTINATION_DATABASE_MYSQL

dbuser = DESTINATION_USERNAME_MYSQL

dbpass = DESTINATION_PASSWORD_MYSQL
```

ASTERISK ODBC

You have to edit:

- the file called **res_odbc.conf** under the directory **/etc/asterisk/** (only if you have changed the default user credentials)

```
; Username for connecting to the database.  The user defaults to the
context
; name if unspecified.
username => DESTINATION_USERNAME_MYSQL
;
; Password for authenticating the user to the database.  The default
; password is blank.
password => DESTINATION_PASSWORD_MYSQL
;
```

- the file called **odbc.ini** under the directory **/etc/odbc.ini**

```
Server = DESTINATION_HOSTNAME_MYSQL
User = DESTINATION_USERNAME_MYSQL
Pass = DESTINATION_PASSWORD_MYSQL
Database = DESTINATION_DATABASE_MYSQL
```

PHONEBAR

You have to edit:

- the file called **res_top.conf** under the directory **/etc/asterisk**

```
hostname = DESTINATION_HOSTNAME_MYSQL

schema = DESTINATION_DATABASE_MYSQL

user = DESTINATION_USERNAME_MYSQL

secret =DESTINATION_PASSWORD_MYSQL
```

- the file called **res_xcalld.conf** under the directory **/etc/asterisk**

```
[mysql]

hostname = DESTINATION_HOSTNAME_MYSQL

schema = DESTINATION_DATABASE_MYSQL

user = DESTINATION_USERNAME_MYSQL

secret =DESTINATION_PASSWORD_MYSQL
```

AGISQUARE

You have to edit the file called **agisquare.conf** under the directory **/var/www/html/agisquare/etc**

```
[database]

host = DESTINATION_HOSTNAME_MYSQL

database = DESTINATION_DATABASE_MYSQL

user = DESTINATION_USERNAME_MYSQL

password =DESTINATION_PASSWORD_MYSQL
```

Move the database

Important

The firewall, in the destination server, must permit the connection on the MySQL port (default 3306)

- Create, on the destination server (DESTINATION_HOSTNAME_MYSQL), the xcally database and the user DESTINATION_USERNAME_MYSQL/DESTINATION_PASSWORD_MYSQL
- Connect to MySQL and launch the following queries:

```
CREATE DATABASE IF NOT EXISTS DESTINATION_DATABASE_MYSQL;
GRANT ALL PRIVILEGES ON DESTINATION_DATABASE_MYSQL.* TO
'DESTINATION_USERNAME_MYSQL'@'localhost' IDENTIFIED BY
'DESTINATION_PASSWORD_MYSQL';
GRANT ALL PRIVILEGES ON DESTINATION_DATABASE_MYSQL.* TO
'DESTINATION_USERNAME_MYSQL'@'%' IDENTIFIED BY
'DESTINATION_PASSWORD_MYSQL';
GRANT SUPER ON *.* TO 'DESTINATION_USERNAME_MYSQL'@'localhost';
GRANT FILE ON *.* TO 'DESTINATION_USERNAME_MYSQL'@'localhost' identified
by 'DESTINATION_PASSWORD_MYSQL'; GRANT FILE ON *.* TO
'DESTINATION_USERNAME_MYSQL'@'%' identified by
'DESTINATION_PASSWORD_MYSQL';
FLUSH PRIVILEGES;
```

- Go, on the original server, under /usr/src

cd /usr/src

- Launch the following commands:

```
mysqldump -u root -ppwd --routines xcally > xcally-dump.sql
mysql -u DESTINATION_USERNAME_MYSQL -pDESTINATION_PASSWORD_MYSQL -h
DESTINATION_HOSTNAME_MYSQL DESTINATION_DATABASE_MYSQL < xcally-dump.sql
```

In case your database username is different from the default one 'xcall', insert these commands instead of the last ones:

```
mysqldump -u root -ppwd --routines xcally | sed -e 's/DEFINER=`xcall`@`%`
/DEFINER=`DESTINATION_USERNAME_MYSQL`@`%`/' > xcally-dump.sql> xcally-dump.
sql
mysql -u DESTINATION_USERNAME_MYSQL -pDESTINATION_PASSWORD_MYSQL -h
DESTINATION_HOSTNAME_MYSQL DESTINATION_DATABASE_MYSQL < xcally-dump.sql
```