Mobile DBA Setup

(version 1.1)

# **Short description**

1. **Application installation**
2. **Application setup**
3. **Use cases**

# **Short description**

Mobile DBA is mobile application for database administration

The Application Mobile DBA contain features to control different databases such as Oracle, MySQL, PostgresSQL.Application executes custom queries and scripts and trigger alarms on mobile phone or tablet.

IMPORTANT: Application **CAN NOT** work without server side application!

Java server side application has to be installed.

Application is absolutely safe, it runs in your network, source code is open and doesn't contain malicious software!

Features:

\* Run custom checks on Databases

\* Checking Invalid Objects, Broken Jobs

\* Restarting servers and other applications

\* Checking disk space and backups

\* Checking and parsing log files

\* Killing Locks

1. **Application installation** 
   1. **Database restore**

Download backup MariaDB database and make restore with commands:

CREATE DATABASE mdba DEFAULT CHARACTER SET utf8 DEFAULT COLLATE utf8\_general\_ci;

For Linux:

Copy backup to /tmp directory and run command:

mysql -u root -p --default-character-set=utf8 mdba < /tmp/mdba-v.3.sql

* 1. **Application installation**

Download MDBA.war and deploy it to application server (Tomcat, Wildfly, GlassFish…).

Setup database connection, example:

Database connection is in the file config.proberties in /MDBA/WEB-INF/classes directory

Example:

/var/lib/tomcat8/webapps/MDBA/WEB-INF/classes/config.properties

Example configuration when database is in the same server as Java application

#Properties

databseMariaDb=jdbc:mariadb://

ipMariaDb=127.0.0.1:3306/mdba

userMariaDb=?user=root

passwordMariaDb=&password=mdba

* 1. **Mobile DBA installation**

Download application »Mobile DBA« from Google Play service

1. **Application setup** (contact our support team: mdba.eu@gmail.com)

**3.1. Change username**

Connect to mdba database and change/update password.Default username / password is admin/admin

**3.1. Insert database data**

Insert data into table data\_base. Insert hostname port, username, password…

**3.2. Insert servers data**

Insert data into table servers. Insert hostname port, username, password…

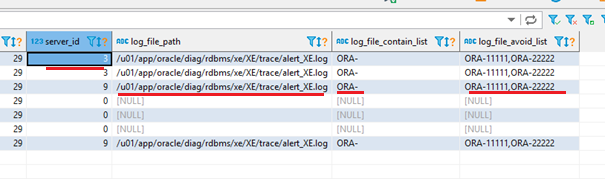
**3.3. Reading database log file**

After inserting full log file path into table data\_base, link database server (where you wanna to read log file) with database.

Update server\_id, also log\_file\_path, logfile\_contain\_list and log\_file\_avoid\_list.

See example: If application find word ORA- it will return arror, but if application during the parsing find ORA-11111 or ORA-22222 those errors will be ignored and alarm will not be raised.

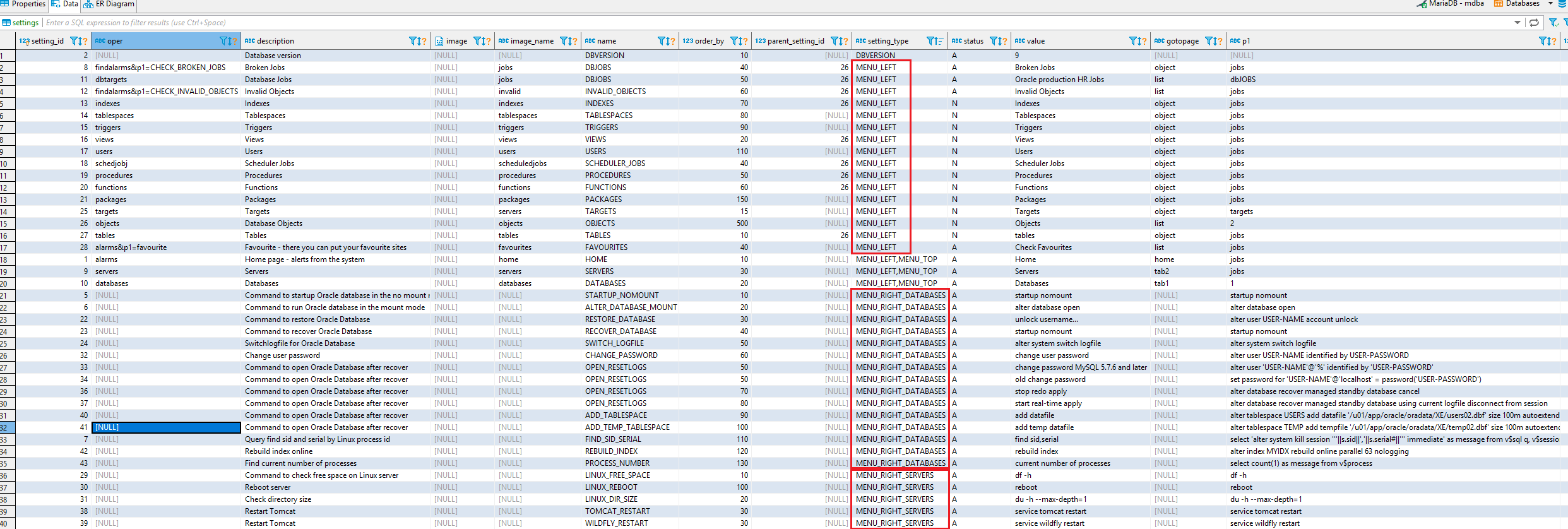
Part of data\_base table:



**3.4 Setup configuration data**

To setup left and right menu in the Android application insert values in the table settings for setting\_type 'MENU\_LEFT' and 'MENU\_RIGHT\_DATABASES' or 'MENU\_RIGHT\_SERVERS'.

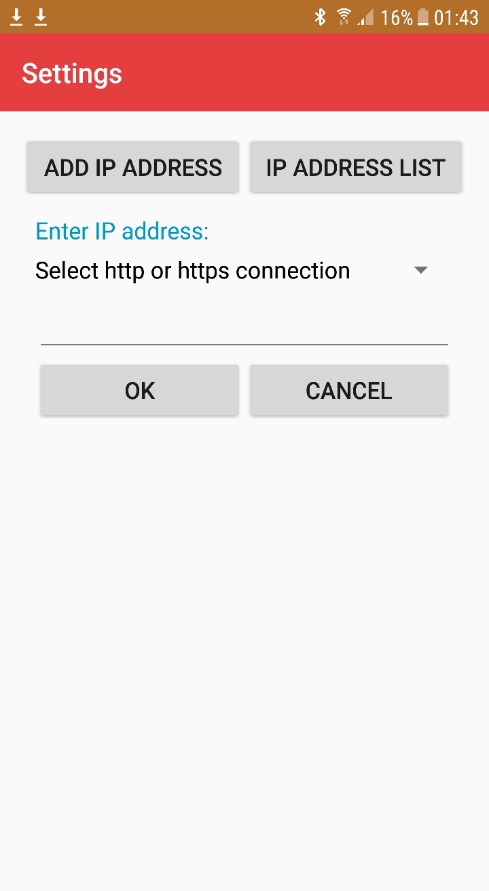
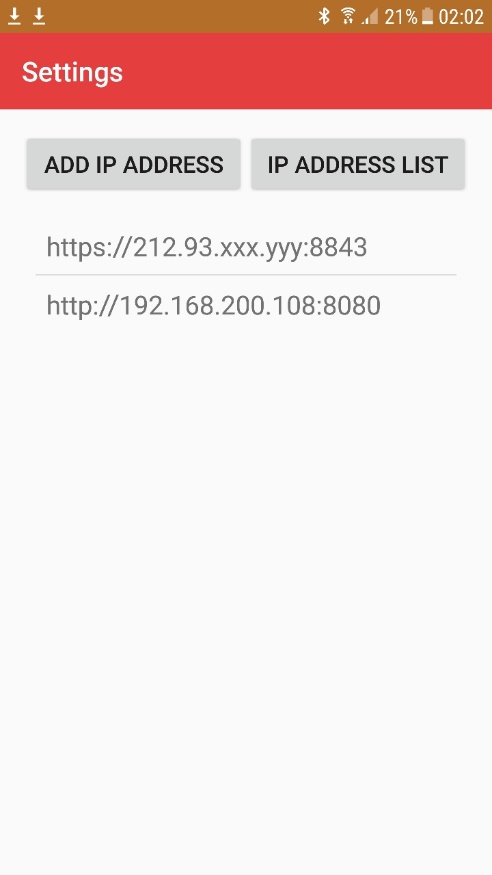
You can setup right menu by database\_type, server\_type, or directly for one database or server

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1. **Use cases**
   1. **Connection setup**

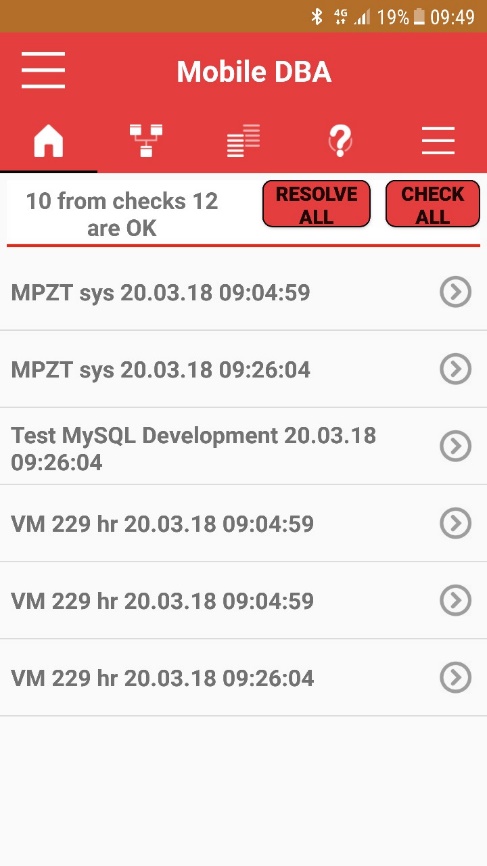
After the first login into Android aplication user must choose http/https protocol and enter hostname (or IP) and port to MDBA Java server side application.

After that user from »IP ADDRESS LIST« pick one server (test, production…) and it will work in that environment

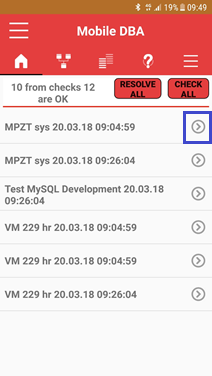
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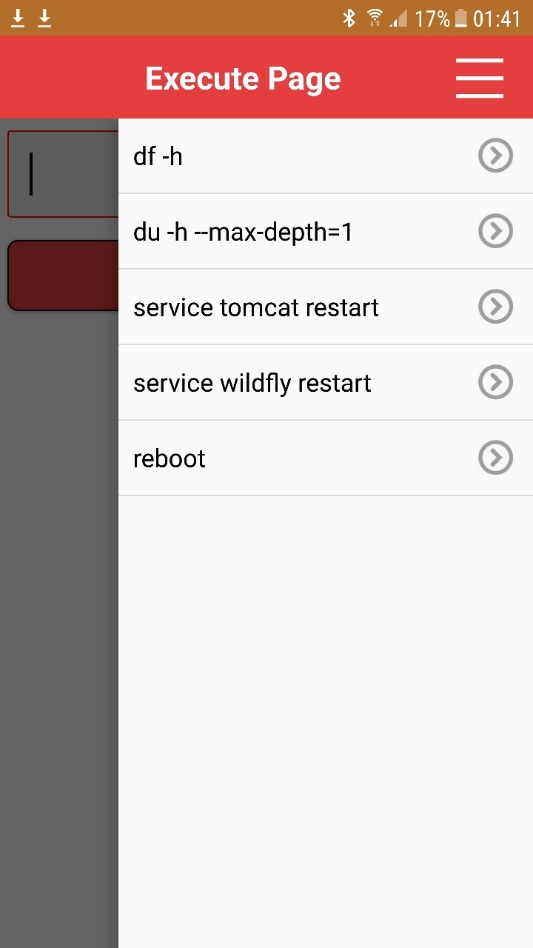
* 1. **Alarm page**

In the home/alarm page you can find buttons »Check All« and »Resolve All«. When you click on »Check All« button it will perform all checks on all databases and servers, and it will return records in the Home page. Resolve All checks alarms from the home page and executes field action3 from the table alarms.

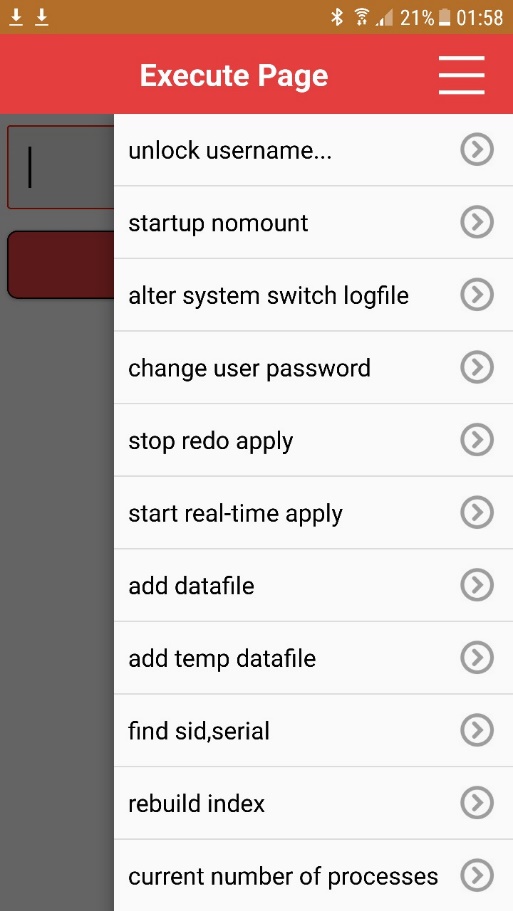
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When user click arrow in the alarm record, it will go to the Execute page and prepare right menu with the values from settings table.

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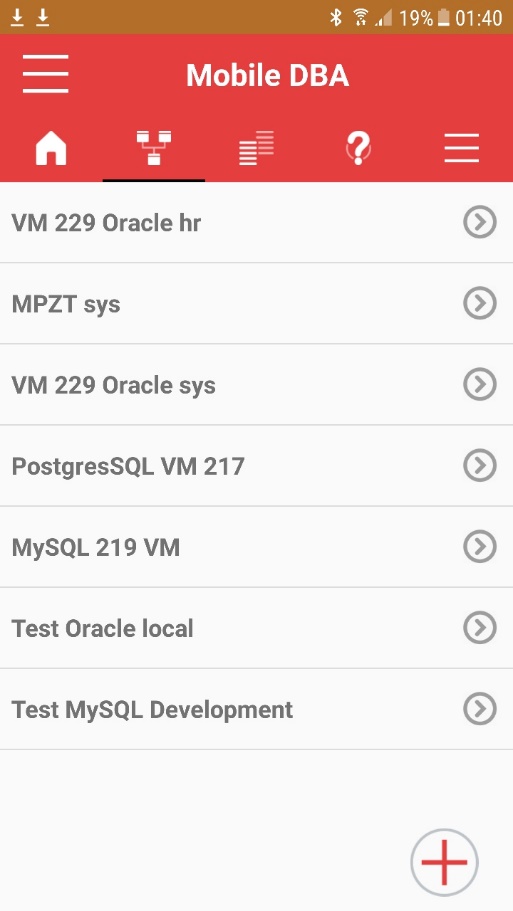
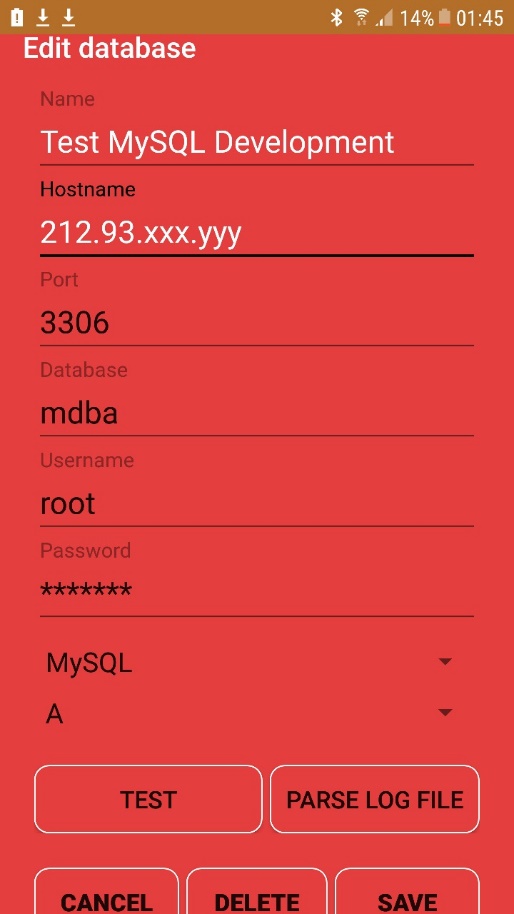
Execute page for server



Right menu for Oracle database

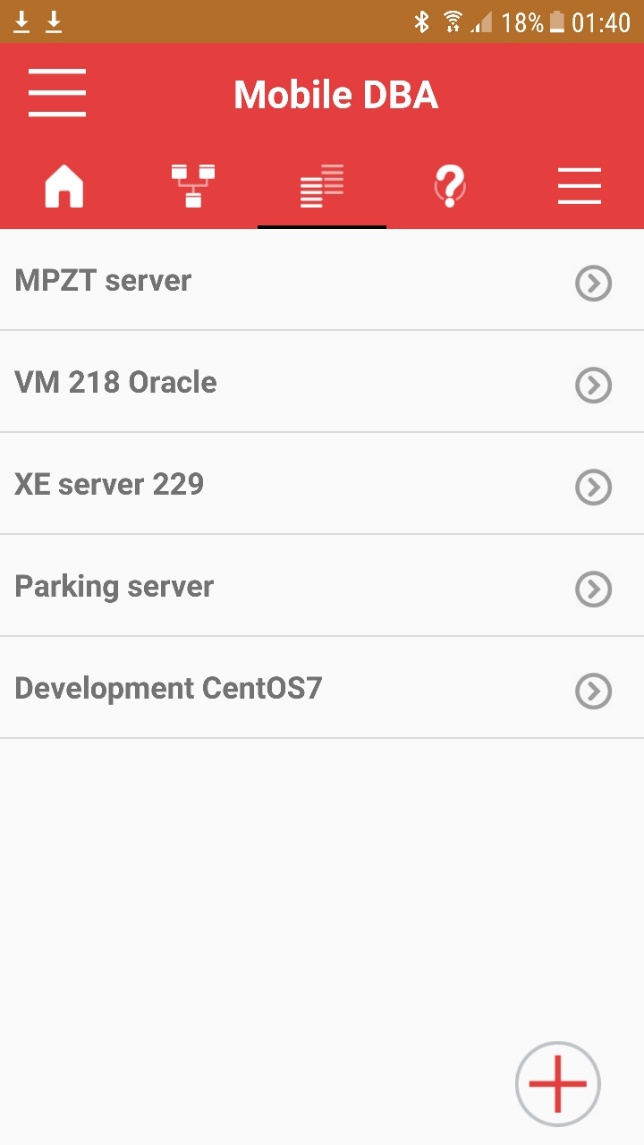
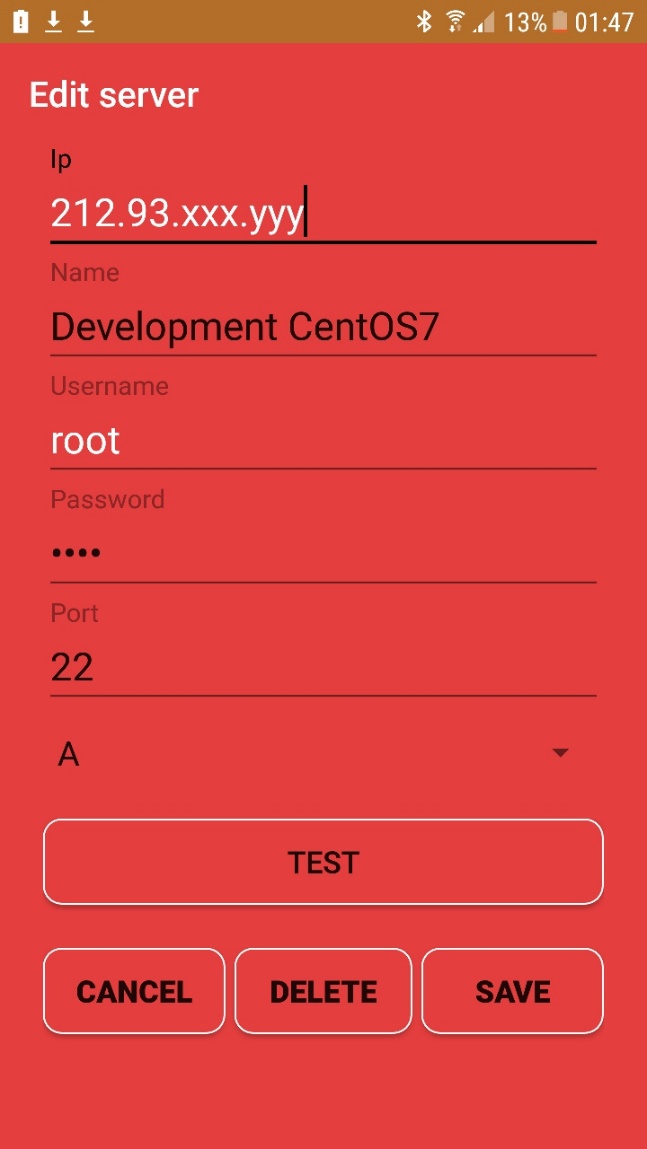
* 1. **Databases TAB**

In the second Tab you can find list of configured databases and edit database form

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* 1. **Servers TAB**

In the third Tab you can find list of configured servers and edit server form

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* 1. **Help TAB**

When you tap and hold text from the execute page you can copy it and send it in the help form

