

Installation using Servers Ultimate Pro

To install a webapplication like  **Tiki** on an Android device, you need to setup a webserver with PHP (based on Apache or Lighttpd or anything else) and a MySQL server first.

The Servers Ultimate Pro App provide Servers on Android using Lighttpd.

Servers Ultimate Pro is an App, which you can purchase at Googles PlayStore for a decent price. Thought it is not for free, it provides you with a vast amount of features and plenty of different server types.

Servers Ultimate is a 14 day free trial, limited to PHP/Lighttpd and MySQL server.

General information

Servers Ultimate Pro www path is to be set to a directory on your Android device - default: /storage/sdcard0

Servers Ultimate Pro's default webserver port: 8082

Access phpMyAdmin via the same port: 8082

Servers Ultimate Pro's default MySQL server port: 3306

Localhost on Android devices should be 127.0.0.1

Access the webserver's root from the device's internal webbrowser(s):

<http://127.0.0.1:8082>

(in the default setting, this will bring you to the directory sdcard/www, which in this case is the "website root")

Access phpMyAdmin from the device's internal webbrowser(s):

<http://127.0.0.1:8082/phpmyadmin>

How the App is structured?

After starting **Servers Ultimate Pro** you will see a menu at the left hand side with the following items:

Simple

Start any server simple and fast and get the necessary data in a pop up after starting the server.

Servers

Add servers, start and stop them and edit advanced configurations.

Log

Access a general log for all server activities (not to be misunderstood with the individual logs of the advanced servers)

Information

Get the network information / IP addresses and information about your device.

Tools

A set of useful subapplications like "Remote Control Client", "IP Calculator", "Whois", "Command Line", "Ping", "Wake on LAN" requests, etc. etc.

Settings

General configuration of the "Servers Ultimate Pro" App.

Help

Not yet much info, but up to now every few days extended and so getting more and more useful.

About

Changelog, Review and Contact.

"Exit"

Completely exit the App and shut it down (nice and sadly not often implemented on Android devices)

How to access the webserver from another computer via a LAN / WLAN or Hotspot of my phone ?

This IP number could be something like 192.168.2.109 ... that depends on the Router's configuration ... Just look it up under *Information*.

Open a browser on any computer which has access to the LAN / WLAN and type:

<http://192.168.2.109:8082> to access the website root or <http://192.168.2.109:8082/phpmyadmin> to access your MySQL databases, respectively to create or to import/export databases.

How to install my webapplication?

Server

You have to create and to start two servers first:

a) the PHP/Lighttpd server b) the MySQL server

If you take some time to go through the options in the servers setup (menu item *Servers*), it should be mainly self-explaining.

If that is too much for a starter, set them up as simple servers (menu item *Simple*), MIND the information of the pop up and write it down and start/stop like the advanced servers under *Servers*.

A hint: did you ever have been thinking about an FTP server on your Android, or Email Server, SMB Server, Git Server etc. ... this App provides them all and plenty more. and that's why I say a price less than 10 € is absolutely reasonable. This is one of the few apps I use that is not FOSS.

Webapplication

The installation process is quite similar than on any Linux webserver - just some kind of easier (at least with Tiki, as no root access to the Android device is needed).

Download your webapplication to your local computer and unpack.

Get the external SDcard plugged into your computer or connect your Android device to the computer as hard drive.

Create a folder in /storage/sdcard0

When you now access port :8082, you will most likely find some message of your webapplication or directly be connected to the installer.

Maybe you get some error messages due to inconvenient file permissions.

If you have no shell on your Android device, you might have to fix the permissions manually (for Tiki not a big deal, if you have not to do this every day).

If you have shell access and you use Tiki, you could fix the permissions with `sh setup.sh` (after `cd` into the installation directory).

Otherwise you need a file manager which can alter permissions on your Android device - if the default file manager is not convenient, get another one for free for example in Google's PlayStore.

Database

Most webapplications need a database - we have a MySQL server on board now:

Connect to phpMyAdmin and create a database (ex. 'mydb'), a database user (ex. 'mydbuser'), a password for the database user (ex. '12345difficult').

<http://127.0.0.1:8082/phpmyadmin> or <http://192.168.2.109:8082/phpmyadmin>

If you have an existing database (an exported dump) you also can import it into the freshly created database.

Installer

Now you can start your webapplications installer.

<http://127.0.0.1:8082> or <http://192.168.2.109:8082>

Optionally, if necessary for a reason, you could setup the `local.php` manually.

The `local.php` for Tiki would look something like this:

```
<?php $db_tiki='mysql'; $dbversion_tiki='10.0'; $host_tiki='127.0.0.1'; $user_tiki='mydbuser'; $pass_tiki='12345difficult';  
$dbs_tiki='mydb'; $client_charset='utf8'; //default and optional comments ...
```

That should be pretty much it. Have Fun.
