

Rooting Akaash : A short guide  
Ver 0.1

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## 0.1 Introduction

It seems lot of guys have got the free (?) Aakash tablet recently. Here is a short guide on rooting this crap and enabling iitb wireless access on the device. If you follow this guide you will be able to install/update new software from Google play store. This procedure can possibly brick your tablet and also, I have no clue about the position of Aakash project regarding rooting. Use your discretion and you are on your own :) .

## 0.2 What is rooting?

All the android devices are built around a tiny Linux distribution over which the Android gui runs. The underlying Linux is hidden from users and is accessible only through Android APIs. ( Of course you can install terminal application from Google play store, but you wont get root access). Most of the common android applications run at a low privilege level and do not need root. The rooting procedure tries to overcome this limitation by forcibly overwriting certain files on your android tab/phone and allows you to access the device with full privileges.

## 0.3 What you need?

1) A decent Linux installation with root privilege. I did this on a Debian 7 machine. So the procedure can be replicated on any decent Linux distribution. However, your mileage may vary.

2) Rooting software. There are a variety of software for rooting android on internet. I used one named Bin4ry from xda-developers. Google it and locate it. ( It can be little tiresome as most of the servers that hold Bin4ry are banned by iitb proxy.) Download the latest Linux version. ( I used Ver 18) <http://forum.xda-developers.com/showthread.php?t=1886460>

## 0.4 How to root?

untar the downloaded package.

```
$ tar -xzvf bin4ry.tar.gz
```

Become root on Linux. Change to Bin4ry directory

On you aakash tab make sure that adb debugging is enabled. It is enabled by default. But make sure.

Connect aakash to usb port

Run the root script on pc. # ./Run.me

The following menu will pop up

Device type:

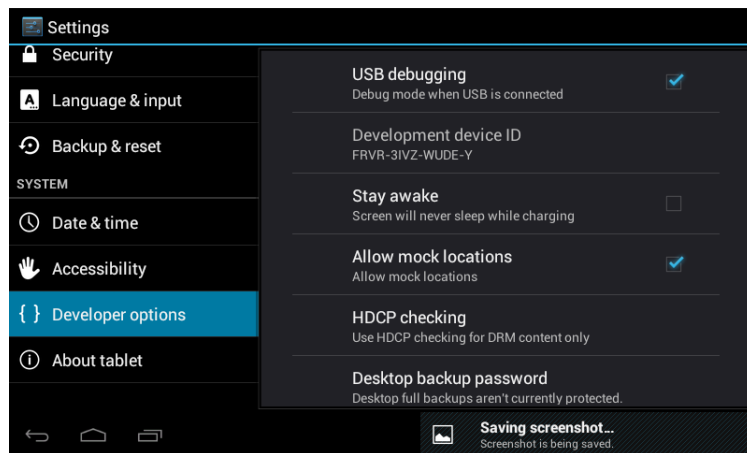
1) Normal

2) Special (for example: Sony Tablet S, Medion Lifetab)

x) Unroot

Make a choice:

Choose 1 (Normal)



Wait for a moment . On your aakash screen a message will come up asking you to restore. Touch on the restore option.

Wait till the tab reboots.

Now a message will come on the terminal saying that you have successfully rooted.

## 0.5 Install proxydroid

Proxydroid is a cool proxy application. However, Google play store does not allow you to download apk packages to your PC.<https://play.google.com/store/apps/details?id=org.proxydroid&hl=en> Search for proxydroid apk on net and download it ( at your own risk). Here is one url <http://www.torrapk.com/index.php/en/dwld/21-social/3425-download-proxydroid-apk-266>. ( I am not responsible for any thing that may pop up or infect your PC). You need a Micro SD card for installing proxydroid. Copy the proxydroid apk to a Micro SD card and insert the card to the tf slot on your aakash. Open file manager on aakash and locate proxydroid .apk click on it to install.

Connect to iitb wifi using the procedure outlined on the computer center website. <http://www.cc.iitb.ac.in/attachments/article/14/android-phone.pdf>

Open proxydroid , It will ask you for super user access . Grant it. Fill in your proxy details. ( netmon port no 30 ldap id and pass.)

Uncheck global proxy option.

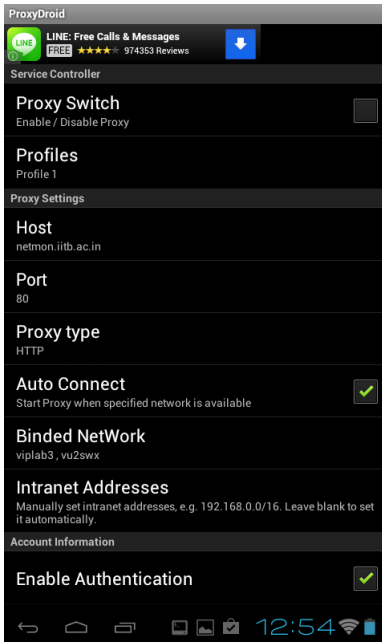
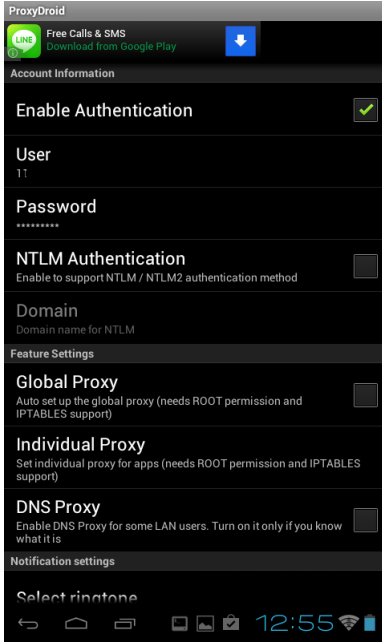
Select individual proxy and tick all the applications show one by one.( See the attached screen shots.)

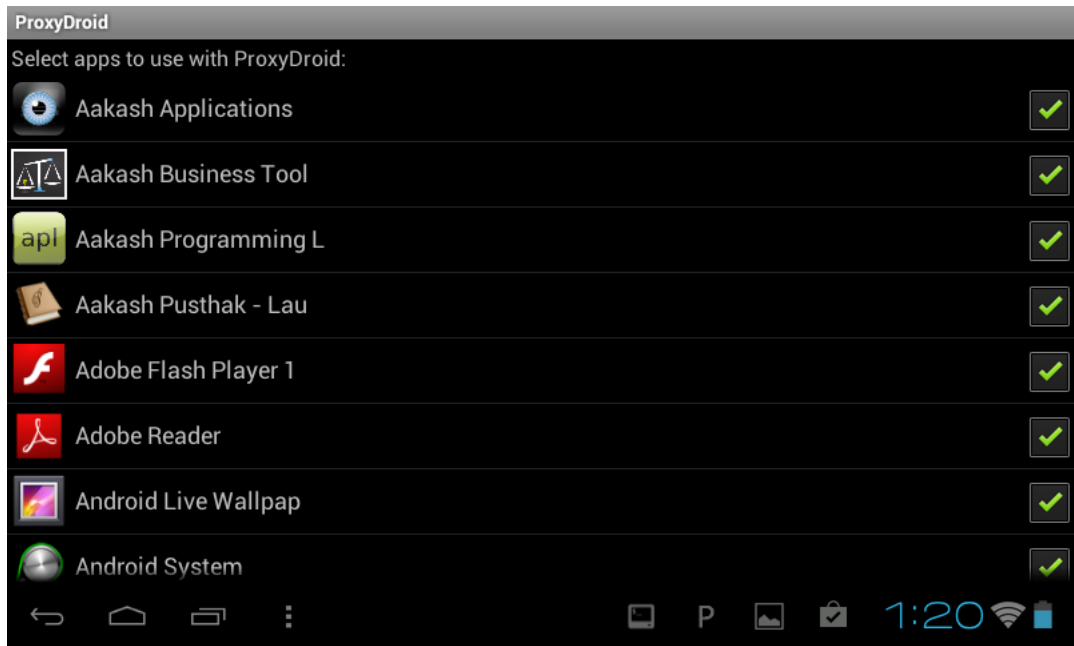
Check automatic proxy

Open bounded network and connect automatically check iitb wireless.

Enable proxy droid. (Check the first item on proxydroid menu)

Now all your apps will be able to access internet. Open Google play store and see whether you can update /install the apps





## 0.6 Warning

I am not responsible for any damage to your tablet