1. Use repo download code

Now, I believe you have seen the last chapter tutorials, and make repo ready, and here's the initial address for Lewa OpenBuild code:
Repo init-u git: / / github. Com/LeWaCode/OpenBuild. Git-b LeWaCode

After the initialization, you need to synchronous code, input:
Repo sync

The process of repo sync is still very slow, please be patient. You can also add multi-Thread according to last chapter. To increase download speed, we delete some apps which are not necessary (location: packages/apps), and you can download them by yourself.

2. Modify the code to adapt to Lewa OpenBuild system.

Because of the modification on OpenBuild system by Lewa, you need to make some changes on device and vendor to make your code compile.

3. Modify device

At first, you should use git clone to download the device you want. For example, if your device is CM official support model, you should go to CM github and download. Put device into OpenBuild code device folder, such as LG models will put lge into device folder.

Then you need to find the BoardConfig. Mk document in device folder, such as the red cross below:

📁 prebuilt	4 months ago	p500: Updated prebuilt wireless and kernel [rmcc]
📄 Android.mk	5 months ago	Remove remnants of thunderg, stay compatibile with old I
📄 AndroidBoard.mk	4 months ago	p500: Restructuring [rmcc]
📄 AndroidProducts.mk	4 months ago	p500: Fix makefile [rmcc]
📄 BoardConfig.mk	2 months ago	p500: revert camera to froyo opensource [adfad666]
📄 extract-files.sh	3 months ago	p500: Revert to Froyo radio stack [adfad666]

In this makefile file we need to add two variables, add two lines of variables in any position as the red box shows. You have to notice that if you use a machine which screen is HVGA or smaller you should add a variable LEWA_DPI: = mdpi, and WVGA above add a variable LEWA_DPI: = hdpi; WCDMA and GSM machine should add LEWA_PHONE: = GSM; and CDMA machine need to add LEWA_PHONE: = cdma
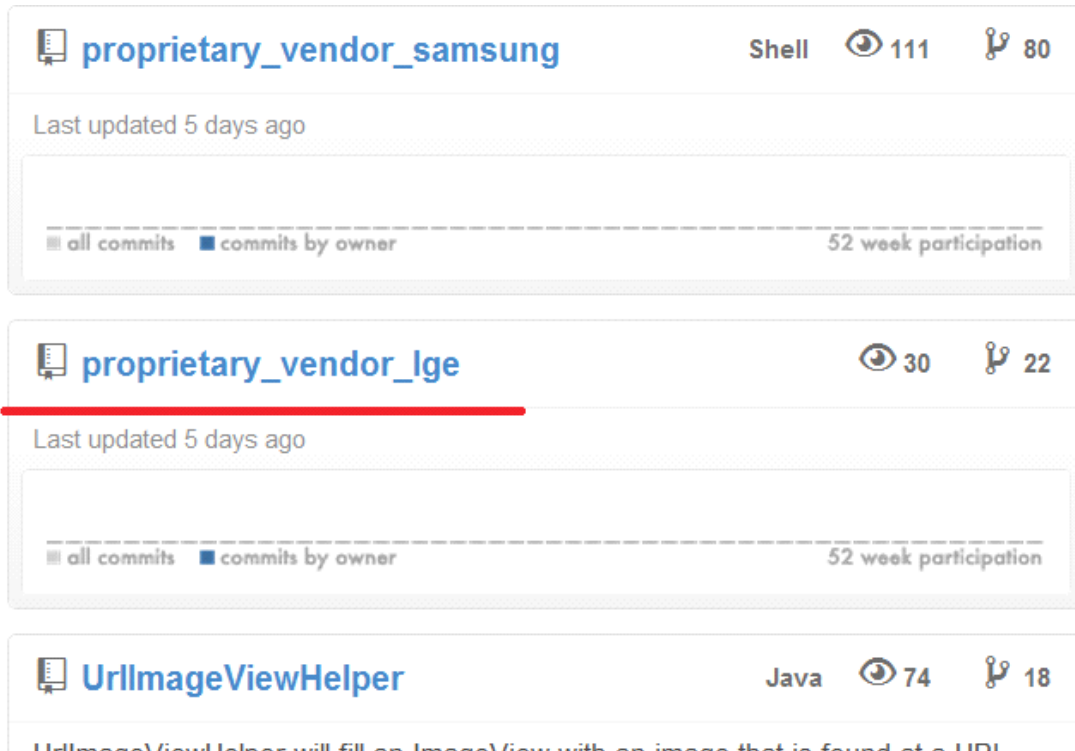
.

```
PRODUCT_BUILD_PROP_OVERRIDES += BUILD_UTC_DATE=0
PRODUCT_NAME := p500
PRODUCT_DEVICE := p500
PRODUCT_MODEL := LG Optimus One

LEWA_DPI := mdpi
LEWA_PHONE := gsm
```
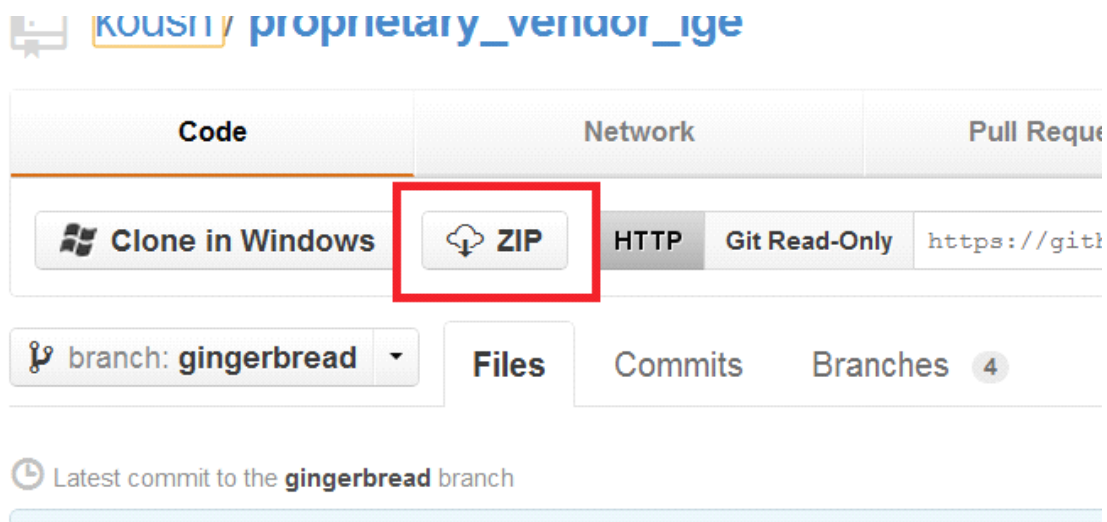
4. modify vendor

We need to download the vendor from github to modify, for example koush gihub address is https://github.com/koush. If you want to download vendor for LG model, you have to find the following folder:

When you open the folder you will find some models in this program, if want to download LG type of vendor, we in the Linux git clone the project is on, and the specific front chapter has said; And if on Windows is click on the following figure red box button.

After downloading, you can change the folder name to lge, and put it into

vender folder. However you still need make some changes in vendor/lewa folders (in CM code the position for this folder is vendor/cyanogen); First is the content in vendor/lewa/products folder. For example, if you want to change LG P500's vender, you have to find makefile files, the red line show this file:

📄 cyanogen_motus.mk	7 months ago
📄 cyanogen_olympus.mk	2 months ago
📄 cyanogen_one.mk	7 months ago
📄 cyanogen_p500.mk	4 months ago
📄 cyanogen_p920.mk	5 months ago
📄 cyanogen_p925.mk	5 months ago

You should rename it to lewa_p500. Mk (here the "p500" is device name), and then open it, change the directory name from cyanogen to lewa, as the picture shows:

```
# Include GSM stuff
$(call inherit-product, vendor/cyanogen/products/gsm.mk)

# Inherit device configuration for p500.
$(call inherit-product, device/lge/p500/p500.mk)

# Inherit some common cyanogenmod stuff.
$(call inherit-product, vendor/cyanogen/products/common_full.mk)

# Include FM-Radio stuff
$(call inherit-product, vendor/cyanogen/products/bcm_fm_radio.mk)

PRODUCT_NAME   := cyanogen_p500
PRODUCT_BRAND  := lge
PRODUCT_DEVICE := p500
PRODUCT_MODEL  := LG-P500
PRODUCT_MANUFACTURER := LGE
```

And then you need to change the makefile file name as the blue line shows, change common_full.mk to common_lewa.mk.
So far, you have completed the CM official support model adapt to Lewa OpenBuild.