



Selling: is it art or science?
Discover how the best sales leaders use analytics

LEARN MORE



(Tools) - unpack/repack boot.img/recovery.img + ramdisk
By [skulldreamz](#), Senior Member on 12th March 2015, 08:21 AM

1,275 posts
Thanks: 1,133

Tweet

Like

+1

Reply

1

2

>

Search Thread

Discussion

Q&A

This is a tutorial
I've decided to put
together as I'm
learning to
compile kernels. It
will cover
unpacking and
repacking a
boot.img and/or
recovery.img, and
also touch on
unpacking the
ramdisk after we have unpacked the boot.img This tutorial will only
focus on executing this on a **android** device using the terminal
emulator app but of course you could use these tools on a PC in a
adb shell.

This would not be possible without the hard work of xda member
[@Modding.MyMind](#). I am not responsible for anything you do to your
device by using these tools.

What you will need

1. Android device
2. Have root

FORUMS

X 2014 Android Development

X 2014 General

X 2014 Q&A, Help & Troubleshooting

X 2014 Accessories

X 2014 Original Android Development

[More]

Remove All Ads from XDA

3. Have busybox installed (1.23.1 is recommended)
4. Terminal Emulator app


[LOGIN](#) ▶ [REGISTER](#) ▶

 search
plus


<https://www.dropbox.com/s/fiat0zrf2f...aster.zip?dl=0>

Directions;

1. Let's pull the boot.img we are going to work with using dd. Open your terminal and type `su >` press enter. Type `dd if=/dev/block/platform/msm_sdcc.1/by-name/boot of=/sdcard/boot.img >` press enter and now you should see a file on your **sdcard** called boot.img
2. Place the zip file on the root of your internal sdcard and extract it. You will see a folder called mkbootimg_tools-master and inside that folder you will see 2 folders. One called ARM and one called README.md Now we are going to copy the ARM folder to data/local/tmp and paste it inside of the tmp folder.
3. Now we need to go the ARM folder that you just copied inside tmp and set the permissions to 0777 (rwxrwxrwx) and also set the same permissions for each file inside the ARM folder.
4. Now go inside the ARM folder and copy the bash file to system/sbin and set the permission to chmod 0755 (rwxr-xr-x)
5. Ok now copy the boot.img file that we pulled onto your sdcard inside the ARM folder and leave the permissions for that file 0666 (rw-rw-rw-)
6. Now we are ready for the fun stuff! Open up your terminal emulator app and type `su >` press enter
7. Now we are going to change directories to the ARM folder which we want to be in by typing `cd data/local/tmp/ARM >` press enter

#####

Now to unpack your boot.img

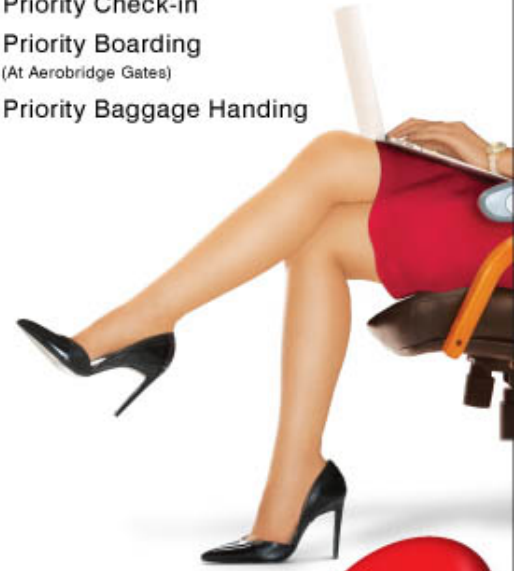
1. Type `./mkboot boot.img bootfolder >` press enter and you will see the magic happen. It will automatically create a folder called bootfolder which is your project folder and you can name it whatever you like but I like to call it bootfolder and if I was unpacking a recovery.img I would call it recoveryfolder
2. So now you have your unpacked boot.img.
3. Now go to your terminal and type `cd bootfolder >` and press enter. We are going into your bootfolder now because that is where your ramdisk.gz is located and we are now going to decompress your ramdisk by typing `gunzip -dc ramdisk.gz | cpio -i >` and press enter and it will decompress your ramdisk for you.
4. So now you have unpacked a boot.img and also learned how to decompress your ramdisk.

#####

IN THE SKY

Choose SpiceMax, and enjoy

- Significantly More Leg Room
- Complimentary Meal & Beverage
- Priority Check-in
- Priority Boarding
(At Aerobridge Gates)
- Priority Baggage Handling



KNOW MORE

*T&C apply.



👍 MOST THANKED

ALL-TIME

- 1** skulldreamz, just saw this thread. Not bad bro. Wanted to add ...

SHM

2015-May-04 4:39

- 1** (quote) Appreciate it bro

skulldreamz [OP](#)

2015-Mar-13 20:07

- 1** Hello my friend! Nice to see you around here! Congratulations for ...

leonardoafa

2015-Mar-13 17:37

- 1** (quote) NP, that's what it's there for..

skulldreamz [OP](#)

2015-Mar-12 15:03

- 1** Thanks. I was working on getting my build environment up and ...

Red_81

2015-Mar-12 12:05

Now we are going to repack your boot.img



LOGIN ▶ REGISTER ▶

search
plus



2. Now to repack you are going to type `./mkboot bootfolder boot.img >` and press enter and that will repack your boot.img for you

*wherever you saw me type a `>` don't ever type that as I was just showing that you are done the command or syntax and your are ready to press enter.

Source code

<https://github.com/ModdingMyMind/mkb...8df6a31b8e2f18>

Screenshot - <https://www.dropbox.com/s/se171tzgnf...49-50.png?dl=0>

Screenshot - <https://www.dropbox.com/s/5bzt8p6l2l...50-04.png?dl=0>



The Following 13 Users Say Thank You to skulldreamz For This Useful Post: [View]

Gift skulldreamz Ad-Free

ANALYSIS & OPINION



5 Christmas Tech Deals Under \$100

🕒 November 26, 2016



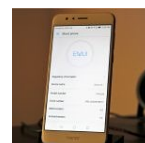
OnePlus 3T Gets Fully Functional TWRP and Root

🕒 November 26, 2016



A Look at the HTC 10's Nougat Update, Rolling out Now!

🕒 November 25, 2016



A Look at Nougat Beta on the Honor 8 (Also, Get \$110 Off)

🕒 November 24, 2016



LG V20 for "US Open Market" Added to LG's Official Bootloader Unlock Tool

🕒 November 24, 2016

skulldreamz
OP Senior Member

Thanks: 1,133

12th March 2015, 08:40 AM | #2



Just in case..



The Following User Says Thank You to skulldreamz For This Useful Post: [View]

Gift skulldreamz Ad-Free

skulldreamz
OP Senior Member

Thanks: 1,133

12th March 2015, 08:41 AM | #3



1 more 😊

✓

Tigerstown

Recognized Contributor

Thanks: 2,939

12th March 2015, 04:44 PM | #4

Good looking on this. Its always good to see tutorials like this going up so others can profit 😊

The Following User Says Thank You to Tigerstown For This Useful Post: [View]

Gift Tigerstown Ad-Free

skulldreamz

OP Senior Member

Thanks: 1,133

12th March 2015, 04:52 PM | #5

Quote:
Originally Posted by Tigerstown ▶

Good looking on this. Its always good to see tutorials like this going up so others can profit 😊

Thanks my dude

Red_81

Senior Member

Thanks: 688

12th March 2015, 06:05 PM | #6

Thanks. I was working on getting my build environment up and running and learning how to do this. I'm sure this tutorial will help alot

The Following User Says Thank You to Red_81 For This Useful Post: [View]

Gift Red_81 Ad-Free

skulldreamz

OP Senior Member

Thanks: 1,133

12th March 2015, 09:03 PM | #7

Quote:
Originally Posted by Red_81 ▶

- Projekt ScriBt Eases Android ROM Building by Providing an Interactive Interface

🕒 November 22, 2016
- Volume Scheduler Sets a Schedule for Your Device's Volume Levels

🕒 November 16, 2016
- geuBot Adds in a Personal Chatbot to WhatsApp

🕒 November 14, 2016
- XDA Forums Added for the Upcoming OnePlus 3T!

🕒 November 11, 2016
- Honor 8 UK Owners Can Apply to Test EMUI 5

🕒 November 10, 2016
- WhatsApp Extensions Xposed Module Adds Extra Functionality to WhatsApp

🕒 November 9, 2016
- More Forum Links ▶

TAGS

This thread has automatically been categorized with the following tags. Click on any of the topics to find related threads.

Recovery

Thanks. I was working on getting my build environment up and running and learning how to do this. I'm sure this tutorial

LOGIN ▶ REGISTER ▶

search plus

NP, that's what it's there for.. 😊

The Following User Says Thank You to skulldreamz For This Useful Post: [View]

Gift skulldreamz Ad-Free

leonardoafa

Senior Member

Thanks: 576

13th March 2015, 11:37 PM | #8

f

G+

Hello my friend! Nice to see you around here! Congratulations for your topic!! 😊

The Following User Says Thank You to leonardoafa For This Useful Post: [View]

Gift leonardoafa Ad-Free

skulldreamz

OP Senior Member

Thanks: 1,133

14th March 2015, 02:07 AM | #9

f

G+

Quote:
Originally Posted by leonardoafa 📄

Hello my friend! Nice to see you around here! Congratulations for your topic!! 😊

Appreciate it bro 😊

The Following User Says Thank You to skulldreamz For This Useful Post: [View]

Gift skulldreamz Ad-Free

artur0588

Senior Member

Thanks: 3,844

30th March 2015, 03:13 PM | #10

f

G+

cpio error

after gunzip -dc ramdisk.gz | cpio -i i got error cpio not found. I put cpio inside of bootfolder but still have same error.

skulldomez

≡

LOGIN ▶ REGISTER ▶

search plus

Quote:
Originally Posted by **artur0588**

cpio error

after gunzip -dc ramdisk.gz | cpio -i i got error cpio not found. I put cpio inside of bootfolder but still have same error.

Please inform me of what you are trying to do and with what ROM (stock or custom) are you using a custom kernel or recovery? Have you made any changes to the ramdisk. It's almost impossible to debug your situation without any info on what device your working on. cpio is statically compiled for our device and I posted screenshots of everything working flawlessly. Upload a screenshot of when you are getting the error because you should not have to cp cpio to any directory except for placing the ARM folder in data/local/tmp/ARM and make sure that you chmod 0755 on all subfolders and files but don't set execute on child files though.

Reply

Subscribe to Thread

Page 1 of 2

1

2

>

Guest Quick Reply (no urls or BBcode)

Message:

Post Quick Reply

Go Advanced

Previous Thread

Next Thread

➤ Top Threads in X 2014 Android Development by ThreadRank


[LOGIN](#) ▶ [REGISTER](#) ▶

[search plus](#)


[ROM][OFFICIAL] Zephyr OS [7.0.0_r14][19/10/16] ⌚ 1st August 2016

📁 X 2014 Android Development

[ROM][7.1][UNOFFICIAL] CyanogenMod 14.1 for victara

📁 X 2014 Android Development

⌚ 6th September 2016

[ROM][7.0.0_r14] AOSP-OMS [BETA][18/10/2016]

⌚ 11th September 2016

📁 X 2014 Android Development

[ROM][UNOFFICIAL] Dirty Unicorns v10.6 FINAL REBUILT [UBERTC][25...

📁 X 2014 Android Development

⌚ 27th June 2016

[ROM][6.0.1][VICTARA][UNOFFICIAL] Resurrection Remix v5.6.8

📁 X 2014 Android Development

⌚ 14th May 2016

[ROM][OFFICIAL][6.0.1]CypherOS 2.4.2 Moon Pie[Victara]

⌚ 7th July 2016

📁 X 2014 Android Development

[APP][7.0+][ARM64] Live Earth Wallpapers from the Pixel (Backport)

📁 Android Apps and Games

⌚ 15th October 2016

🏠 [xda-developers](#) → [Moto X \(2014\)](#) → [X 2014 Android Development](#) → (Tools) - unpack/repack boot.img/recovery.img
+ ramdisk by [skulldreamz](#)

xda

XDA Developers was founded by developers, for developers. It is now a valuable resource for people who want to make the most of their mobile devices, from customizing the look and feel to adding new functionality.

[Are you a developer?](#)

We're Social



Hosted by



-- XDA 2015 ▼

[More info](#)

[Contact](#) [Rules](#) [Suggest Content](#) [Security](#) [Privacy Policy](#) [XDA App](#) [Root Any Device](#) [Remove ads on XDA](#)

Copyright © xda-developers. Hosted by [Leaseweb](#)

