

How to manually update su and SuperSu file through ADB root shell?

✉ towenyu · ⏰ Nov 2, 2015

⌂ > Forums > General Development > XDA Community Apps > SuperSU

T

towenyu

New member



Nov 2, 2015

#1

I have an un-rooted device, with Android 5.0 system, and the core is ARM Coretex A53.

I happen to found "adb root" works, that means I can play as root through ADB shell.

I successfully deleted a trash apk, renowned "kingroot", from my system.

Then, I try to manually update su and SuperSu file, through the bellowing commands:

```
# mount -o rw,remount /system  
# cp /sdcard/mrw/su /system/xbin/su  
# cp /sdcard/mrw/su /system/bin/su  
# pm install /sdcard/mrw/superuser.apk  
(I'm using a 2.46 SuperSu version, which should be OK for Android 5.0 system)
```

But it fails. The SuperSu told me " su binary not installed".

My questions:

1. Is this a feasible way to update Su and SuperSu, and get root access?
2. There's a bunch of architect, I tried both "arm" and "arm64", but none of the su binary can work. Which architect shall I choose, when I'm running on a ARM Coretex A53 core? (I know it is a 64bit core)

Thanks a lot, and Best Regards,
towenyu

Jalava and langithitam



xfullmetal17

Senior Member

Nov 2, 2015

#2

Did you get this device secondhand? Also what device is it, since many have their own root method because of OEM crap.

That said, you only need su in one location, either /system/xbin/su or /system/bin/su (I typically see it in /system/xbin/su). I'm not sure what happens if it's in both, but it's just wasted space.

You can try these commands through adb root; since you already were able to get su onto your device, it may be just a matter of ownership and permissions:

Code:

```
# mount -o rw,remount /system
# chmod 755 /system/xbin/su
# chown root:root /system/xbin/su
# mount -o ro,remount /system
```

chown 755 sets the permissions to rwxr-xr-x (user gets read/write/execute, group/other gets read/execute). Execute is the important bit here, since otherwise the su binary can't do its job. After those commands, try SuperSU again and see if it works (you might need a reboot, because of how Android 5.0+ handles changes to /system) The last mount -o ro command just changes /system back to read-only, to prevent accidental changes to other parts.



towenyu

New member



Nov 3, 2015

#3

Successfully rooted!

Not that simple, but basically follow the update-binary script already inside supersu package.

Only need to made slight modification due to my system won't support "unzip"



xfullmetal17
Senior Member

Nov 3, 2015

#4

Now that you're successfully rooted, go install Busybox, that'll give you a lot of Linux commands Android doesn't have by default, including unzip.

adinahmadin

T

towenyu
New member



v

Nov 3, 2015

#5

xfullmetal17 said: ↴

Now that you're successfully rooted, go install Busybox, that'll give you a lot of Linux commands Android doesn't have by default, including unzip.

Thanks for your advice! I will try it.

But don't there's already a Busybox in android system? I guess what I need to do is find somewhere a more powerful busybox binary -- or build it by my own, but that may be not so easy for me.



xfullmetal17
Senior Member

v

Nov 4, 2015

#6

Android has some basic Linux commands support, but I don't think it has Busybox (if you have a custom ROM you may have some additional commands, but since you said unrooted I don't think it was installed).

This is one of the most popular installers for Busybox: <https://play.google.com/store/apps/details?id=stericson.busybox>

I've used it since I first rooted with Android 2.2 and haven't had any issues with it (save for lack of vim, since stock Android doesn't have the correct libraries for it)

rennfah

G

gigawatt
Senior Member

v

Jun 7, 2016

#7

rooting my htc m9 running marshmallow

Hi, I'm totally blind, and twrp isn't an option for me since it doesn't have a built in screen reader. I would like to install supersu to system, would some one kindly help me in telling me what files to put where. I think the m9 is arm64, but besides su and supersu.apk, I think there's installrecovery.ssh and some other files that have to go in, so please help some one

xfullmetal17 said: ↴

Android has some basic Linux commands support, but I don't think it has Busybox (if you have a custom ROM you may have some additional commands, but since you said unrooted I don't think it was installed).

This is one of the most popular installers for Busybox: <https://play.google.com/store/apps/details?id=stericson.busybox>

I've used it since I first rooted with Android 2.2 and haven't had any issues with it (save for lack of vim, since stock Android doesn't have the correct libraries for it)



nala

Senior Member



May 27, 2017

🔗 #8

Hi guys ,

it is possible to run manaully via adb shell update-binary file from META-INF supersu folder for install it ? (means before unpacked folder supersu is copied to ex. /tmp)
I'm asking bcose no custom recovery and no root on my device yet.

Thx



Azlun

Senior Member



Aug 30, 2017

🔗 #9

nala said: ↴

Hi guys ,

it is possible to run manaully via adb shell update-binary file from META-INF supersu folder for install it ? (means before unpacked folder supersu is copied to ex. /tmp)
I'm asking bcose no custom recovery and no root on my device yet.

Thx

I have same saturation, no TWRP, no SU installed on my device: root@idol4s_cn:/ #, Android M,
What I have is a userdebug boot.img support "adb root", so my draft commands in my mind
please run one by one, not batch.. WARNING, this may make your system bootloop,take your own
risk!!!.)

fastboot flash boot boot_userdebug.img

fastboot reboot

adb wait-for-device

adb root

adb remount

adb disable-verity

adb shell setenforce 0

adb reboot

```
cd D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64
adb wait-for-device
adb root
adb remount
adb shell setenforce 0
adb push .\su /system/bin/su
adb push .\su /system/xbin/su
adb shell chmod 06755 /system/bin/su
adb shell chmod 06755 /system/xbin/su
adb shell /system/bin/su --install
adb shell /system/bin/su --daemon&
adb install ..\common\Superuser.apk
adb shell setenforce 0
adb disable-verity
```

if you found SuperSU not found root, try adb shell setenforce 0 again.
then you can get SuperSU found su file need to update, use normal way to do it.
then, it will be "Installation success!"

Enjoy it.

so reference log:

```
D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64>adb push su
/system/bin/su
adb: error: failed to copy 'su' to '/system/bin/su': Read-only file system
```

```
D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64>adb root
```


[Log in](#)
[Register](#)

[New posts](#) [Manufacturers](#) [What's new ▾](#) [Members ▾](#)

remount succeeded

```
D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64>adb push su
/system/bin/su
[100%] /system/bin/su
```

```
D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64>adb push su
/system/xbin/su
adb: error: failed to copy 'su' to '/system/xbin/su': Read-only file system
```

```
D:\tools\Downloads\SR3-SuperSU-v2.82-SR3-20170813133244\arm64>adb shell
root@idol4s_cn:/ # su
root@idol4s_cn:/ # cd /system/bin
root@idol4s_cn:/system/bin # chmod 06755 su
chmod: chmod 'su' to 106755: Read-only file system
1|root@idol4s_cn:/system/bin # ls su
su
root@idol4s_cn:/system/bin # ls -al su
-rwxr-xr-x root shell 108496 2008-02-29 03:33 su
root@idol4s_cn:/system/bin # su --intall
root@idol4s_cn:/system/bin # su --daemon&
```

```
[1] 6146
root@idol4s_cn:/system/bin # getenforce
Enforcing
[1] + Done su --daemon
root@idol4s_cn:/system/bin # setenforce 0
root@idol4s_cn:/system/bin # getenforce
Permissive
root@idol4s_cn:/system/bin # exit
root@idol4s_cn:/system/bin # exit
root@idol4s_cn:/ # exit

/system/bin/su
exit
^C
```

Last edited: Aug 31, 2017

nalias



nalias
Senior Member



Aug 31, 2017

#10

Azlun said: ↴

I have same saturation, no TWRP, no SU installed on my device: root@idol4s_cn:/ #, Android M, What I have is a userdebug boot.img support "adb root", so my draft commands in my mind please run one by one, not batch.. WARNING, this may make your system bootloop,take your own risk!!!.)
fastboot flash boot boot userdebug.img

Click to expand...

Thank You - I will check and give feedback



user4978023
Member



Nov 8, 2017

#11

Can I somehow just copy su and supersu files to phone (stock ROM) with full root shell to get root? Unfortunately bootloader is locked and only root shell is available.



DB126
Senior Member

Nov 10, 2017

#12

user4978023 said: ↴

Can I somehow just copy su and supersu files to phone (stock ROM) with full root shell to get root?
Unfortunately bootloader is locked and only root shell is available.

Of course not. If it were that easy rooting would be a non-issue for devices with a locked bootloader.

T

ThAnEb
Member

Mar 13, 2018

#13

towenyu said: ↴

Successfully rooted!

Not that simple, but basically follow the update-binary script already inside supersu package.

Only need to made slight modification due to my system won't support "unzip"

Can you give more details ?

I'm in a similar situation (/system/bin/su and /system/xbin/su "updated" from Supersu zip , root access from adb shell , rom built as userdebug) but I'm unable to launch the update-binary through adb to get the TV fully rooted..

You must log in or register to reply here.

Share: [f](#) [t](#) [s](#) [c](#) [m](#) [e](#)

Similar threads



[STABLE][2016.07.05] SuperSU v2.76 [CLOSED]

Chainfire · Mar 9, 2012

Replies 12K Views 11M ↴ Chainfire replied Sep 4, 2016



[BETA][2017.10.01] SuperSU v2.82 SR5

Chainfire · Sep 5, 2014

Replies 12K Views 6M ↴ Cyndaquisshhh replied Feb 24, 2022

[STABLE][2017.05.27] SuperSU v2.82



SuperSU Release · Sep 1, 2016

Replies 3K Views 2M ↗ alcestneige replied Feb 2, 2024



[SUPPORT] Update failures



Chainfire · Oct 16, 2014

Replies 962 Views 790K ↗ Valuta replied Dec 3, 2017



[SuperSU][System-Mode][2.82 SR5]



mauam · Jan 5, 2016

Replies 617 Views 562K ↗ AnonVendetta replied Mar 19, 2021



> Forums > General Development > XDA Community Apps > SuperSU

TOP LIKED POSTS

24 Hours

All time

2

T towenyu

I have an un-rooted device, with Android 5.0 system, and the core is ARM Coretex A53.

I happen to found "adb root" works, that means I can play as root through ADB shell.

I successfully deleted a trash apk, renowned "kingroot", from my system.

Then, I try to manually update su and SuperSU file, through the bellowing commands:

```
# mount -o rw,remount /system
```

Nov 2, 2015

View



xfullmetal17

Now that you're successfully rooted, go install Busybox, that'll give you a lot of Linux commands Android doesn't have by default, including unzip.

Nov 3, 2015

View



xfullmetal17

Android has some basic Linux commands support, but I don't think it has Busybox (if you have a custom ROM you may have some additional commands, but since you said unrooted I don't think it was installed).

This is one of the most popular installers for Busybox: <https://play.google.com/store/apps/details?id=stericson.busybox>

I've used it since I first rooted with Android 2.2 and haven't had any issues with it (save for lack of vim, since stock Android doesn't have the correct libraries for it)

Nov 4, 2015

View



A Azlun

nala said: ↗

Hi guys ,

it is possible to run manually via adb shell update-binary file from META-INF supersu folder for install it ? (means before unpacked folder supersu is copied to ex. /tmp)

I'm asking bcose no custom recovery and no root on my device yet.

Aug 30, 2017

View

NEW POSTS

**[ROM][OFFICIAL] Evolution X 9.0 [07/06/24]**

Latest: MihirSheth · Today at 12:25 PM

[OnePlus 8 / 8 Pro & 8T Cross Device Development](#)**[APP] dynamicSpot - iPhone 15 Pro Dynamic Island for android! iOS 17 notification popups!**

Latest: Jawomo · Today at 12:24 PM

[Android Apps and Games](#)**M [Question] Xperia 5IV softbank convert to global????**

Latest: Mainstreet@Spb · Today at 12:23 PM

[Sony Xperia 5 IV](#)**[Samsung Galaxy A03] Rooting and GSI installation guide**

Latest: mobile Noob · Today at 12:23 PM

[General Topics](#)**P [DEV] APatch - an alternative root solution to KernelSU and Magisk**

Latest: pershoot · Today at 12:22 PM

[Android Software Development](#)



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.

Crafted by Audentio

MORE INFO

[Contact Us \(Forum Issues\)](#)

[Advertise](#)

[Terms and rules](#)

[Suggest Content](#)

USEFUL LINKS

[Best Phones](#)

[Tutorials](#)

[Recognized Developer Program](#)

[Recognized Themer / Contributor Program](#)

[Admin & Moderators](#)

[Delete XDA Account](#)

XDA - Dark